

## **Historic, Archive Document**

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62.43  
**FARMER**

**SEED AND  
NURSERY CO.**

**FARIBAULT, MINN.**

**1944**

**STREAMLINER  
CARROT**

(No. 176)—A modern bunching carrot of most handsome proportions. A leading profit maker. Slender, cylindrical, 10 inch roots of deep orange with small red core. Pkt. 10c, oz. 30c, 1/4 lb. \$1.15 Prepaid. (See page 7.)

**RUTGERS TOMATO**

(No. 610)—One of the finest tomatoes grown. Smooth, solid, brilliant scarlet fruits, ripen evenly from the inside out. Pleasing, mild; acid taste. Makes sparkling bright red juice. Pkt. 10c, 1/2 oz. 35c, oz. 60c Prepaid. (Page 24.)

**NEW CANADA RED RHUBARB**

(Chipman's Strain)

Sweetest and best of the new all-red rhubarbs. Extra hardy, ever-bearing type. Long, slender, succulent stalks, deep red all the way thru! Makes beautiful sauce, of finest flavor. Requires less sugar. Page 26.

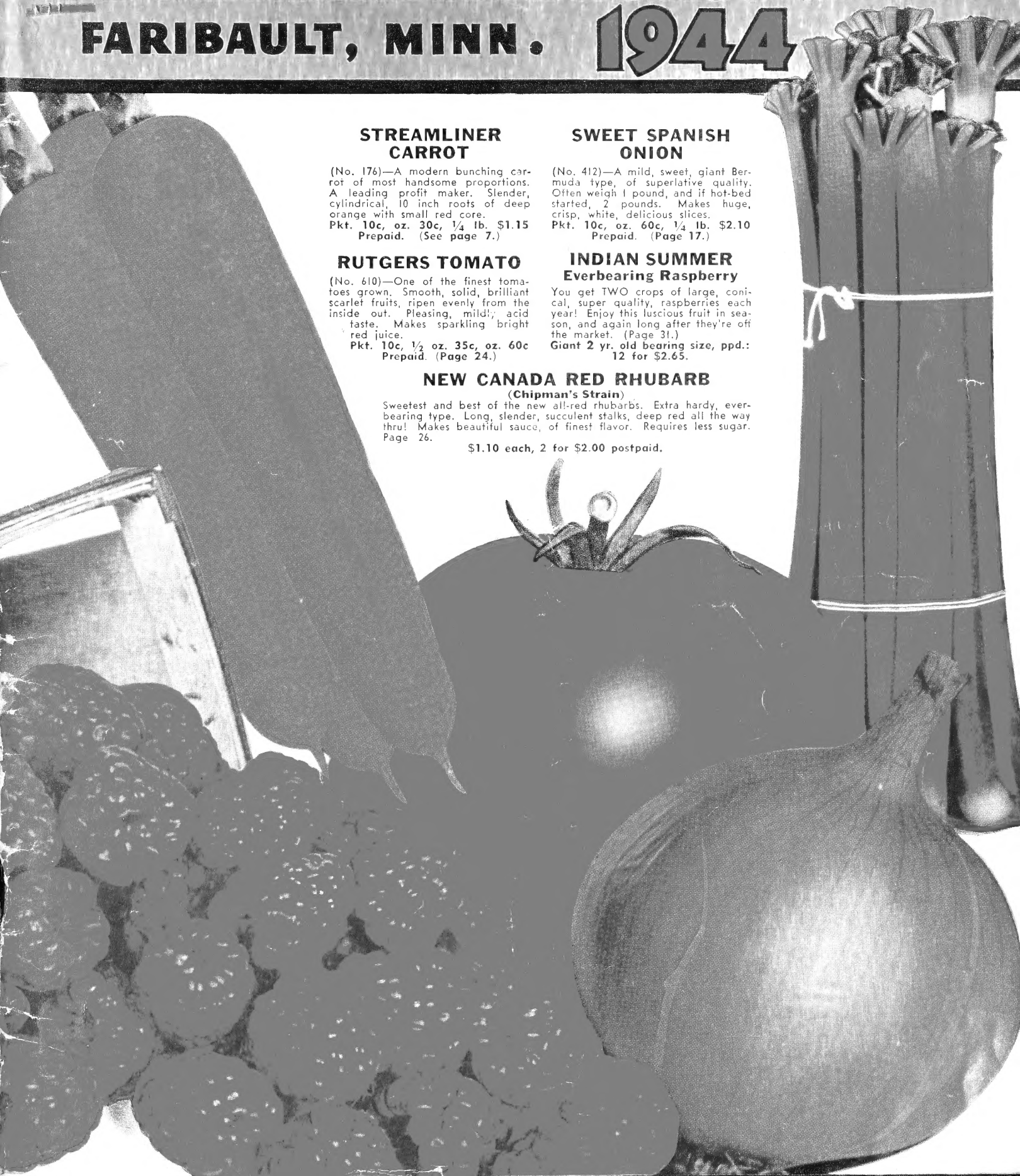
\$1.10 each, 2 for \$2.00 postpaid.

**SWEET SPANISH  
ONION**

(No. 412)—A mild, sweet, giant Bermuda type, of superlative quality. Often weigh 1 pound, and if hot-bed started, 2 pounds. Makes huge, crisp, white, delicious slices. Pkt. 10c, oz. 60c, 1/4 lb. \$2.10 Prepaid. (Page 17.)

**INDIAN SUMMER  
Everbearing Raspberry**

You get TWO crops of large, conical, super quality, raspberries each year! Enjoy this luscious fruit in season, and again long after they're off the market. (Page 31.) Giant 2 yr. old bearing size, ppd.: 12 for \$2.65.





# Make Your Yard a **WONDERLAND!**

## Wonderland Collection

TREES & SHRUBS  
Large Size  
(Listed Below)  
Value \$8.75, by Exp.

**\$7.85**  
Not ppd.

	LARGE 4 yr.	MEDIUM 3 yr.
2 High Bush Cranberries	3 to 5 ft.	2 to 3 ft.
2 Nanking Cherries	4 to 6 ft.	3 to 5 ft.
1 Bantam Pear	4 to 6 ft.	3 to 5 ft.
1 Patten Pear	5 to 7 ft.	4 to 6 ft.
1 Rosalia Tree		

TREES & SHRUBS  
Medium Size (Listed Above)  
Value \$7.30, by Exp.

**\$6.55**  
Not ppd.



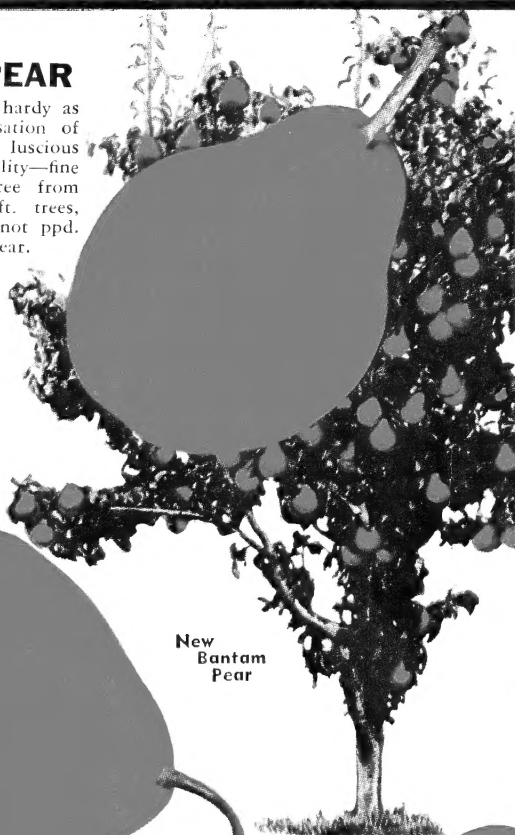
**ROSALIA TREE** Truly a "traffic stopper"! Its sensational mass of bloom makes any yard a "Wonderland." Blood-red buds followed by a profusion of large, single deep rose blossoms. Crab-apple-like fruit makes fine jelly. 5-7 ft. trees \$1.75; 4-6 ft. \$1.50, by Exp. not ppd.

## NEW BANTAM PEAR

At last, delicious eating pears, hardy as Duchess Apples! A new sensation of Minn. Fruit Farm. Flavorful, luscious fruit—not large, but superb quality—fine grained, sweet and juicy. Free from blight, ideal for lawn. 4-6 ft. trees, \$1.35; 3-5 ft. \$1.10, by Exp. not ppd. Plant with a Patten Pollinizer Pear.

## PATTEN PEAR

Another "luxury pear"—hardy for the North. An ideal pollinator for Bantam. Fruit is of good size, resembles Bartlett in form and color. Very tender, juicy and delicious. Superb dessert quality. 4-6 ft. trees \$1.35; 3-5 ft. trees \$1.10 each, by Exp. not ppd.



New  
Bantam  
Pear

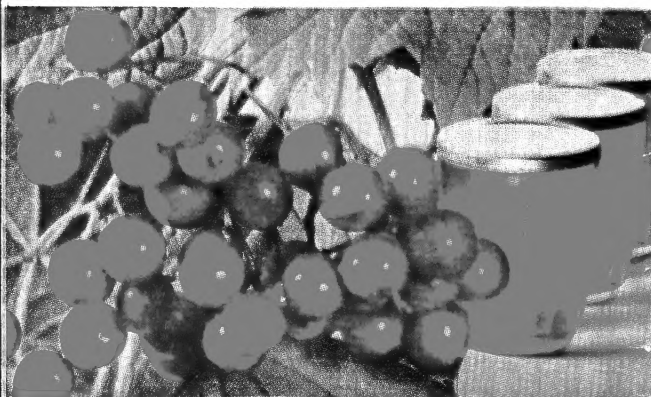
Patten  
Pear

## NANKING Cherries

A "beauty shrub" for your lawn that bears great crops of fine cherries! Fruit is so abundant it takes but a few minutes to pick a quart or two in your own yard, for making fresh cherry pie or sparkling jelly.

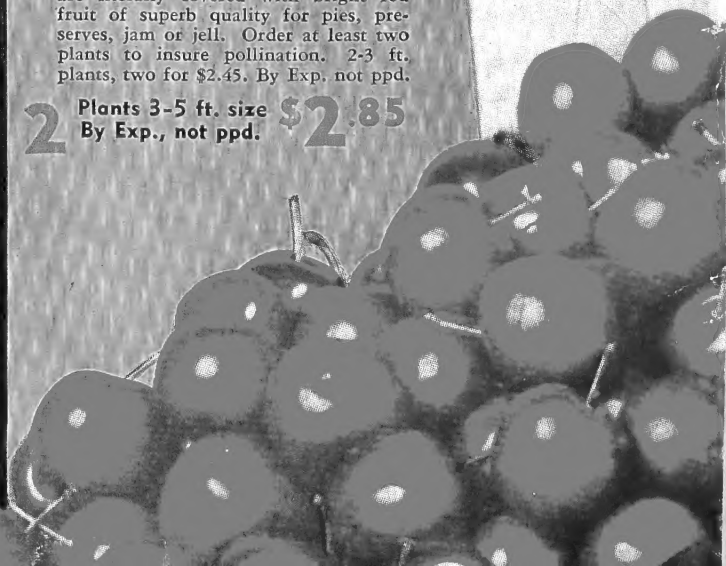
The shapely bushes grow 7 ft. tall, work well into a planting about the house or shrub border. Apple-blossom pink buds appear very early and open to pure white. Nanking starts bearing 2nd year and by the 3rd season branches are literally covered with bright red fruit of superb quality for pies, preserves, jam or jelly. Order at least two plants to insure pollination. 2-3 ft. plants, two for \$2.45. By Exp. not ppd.

2 Plants 3-5 ft. size **\$2.85**  
By Exp., not ppd.



## HIGH BUSH CRANBERRY

Now you can make delicious, tangy, sparkling red jelly that looks and tastes exactly like that made from cranberries one buys at the grocery,—and do it from fruit gathered in your own yard! Tall, graceful shrubs, with tiny white "beauty blooms" followed by huge clusters of bright red berries that hang on way into winter. A double duty plant that's ornamental as well as useful. Perfectly hardy—easy to grow. Large 4 yr. plants, 2 for \$1.45; 3 yr. plants, 2 for \$1.15 by Exp. not Ppd.





# BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. desires satisfaction for every customer. Complaints, if justified, will be adjusted to the amount remitted. However, since the results from seeds, trees, bulbs, or plants are subject to hazards of weather, climate, soil and cultural practices, over which we have no

control, THE FARMER SEED & NURSERY CO. will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

**FARMER SEED & NURSERY CO., FARIBAULT, MINN. Jan. 22, 1944**

## ABOUT CEILING PRICES

Maximum Price Regulation No. 471 (Legume & Grass Seeds), effective September 29, 1943, govern Alfalfa, Medium Red and Mammoth Red Clover, Alsike Clover, Sweet Clover and Timothy Seed.

Processed seeds are priced on the basis of quality specifications customary to the seed trade to comply with Federal and State Laws.

Up to the present time, Seed Potatoes and certain Vegetable Seeds are also under maximum Price Regulations.

All of our prices have been set strictly in accordance with these Regulations and wherever possible we have quoted below ceiling prices.

## YOUR PATIENCE WILL BE APPRECIATED

We have done everything within our power to obtain sufficient seed stocks to supply your needs. Many items are very short however, and some have been impossible to obtain. Should it develop that we are unable to supply a part of your requirements, please be tolerant, and remember that we have done our very best to serve you.

Note—No part-payment orders will be accepted. War demands are so great and stocks move so rapidly it is impossible to accept part-payment orders for deferred shipment.

## OUR SPECIAL

### LOT "POWER" HYBRID CORN

This "Special Lot" has exactly the same inheritance, purity, and germination as our No. 1 Registered Seed. It consists of the thick kernels, graded from our Registered Hybrids. These "thicks" are evenly graded, and germinate 90% or better. Nothing finer for drilling, for silage, or for "hogging off." Use your medium or small plates.

We offer for the first time this year a properly proportioned blend of selected varieties. These blends provide maximum insurance against periods of adverse weather, since there is enough variation in maturity so that only a part of the crop reaches a critical period of growth at any one time.

Group A—Early Maturity Blend (Range 85-100 days)

Group B—Later Maturity Blend (Range 105-115 days)

Your  
Choice,  
Either  
Group  
\$3.50  
Per Bu.

## ORDER EARLY!

Seed is the foundation of food. Many items are short this year. Transportation service is somewhat slower, due to tremendous war shipments. Therefore, we strongly urge that you order early! We will do our part to provide the quickest service in our power to supply.

## MINNESOTA-GROWN CLOVER

SUPER-HARDY—FREE FROM NOXIOUS WEEDS

(Bu. 60 lbs.)	Prices include sacks	Purity	Peck	Bu.	100 Lbs.
<b>MEDIUM RED CLOVER</b>					
Master Farmer	99.25	\$ 6.80	\$26.40	\$44.00	
Fancy	98.60	6.60	25.50	42.50	
<b>MAMMOTH CLOVER</b>					
Master Farmer	99.50	6.90	26.70	44.50	
Fancy	98.00	6.60	25.50	42.50	
<b>WHITE DUTCH CLOVER</b>					
Fancy	98.00	10.70	42.15	70.00	
<b>ALSIKE CLOVER</b>					
Master Farmer	99.00	6.30	24.30	40.50	
<b>SWEET CLOVER, WHITE BLOSSOM</b>					
Master Farmer	99.50	3.15	11.70	19.50	
Fancy	99.10	3.05	11.40	19.00	
<b>SWEET CLOVER, YELLOW BLOSSOM</b>					
Master Farmer	99.50	3.15	11.70	19.50	
<b>SWEET CLOVER, GRUNDY COUNTY</b>					
Master Farmer	99.50	3.15	11.70	19.50	
<b>SWEET CLOVER, HUBAM ANNUAL WHITE</b>					
Master Farmer			Not Available This Year		

## ALFALFAS—U. S. VERIFIED ORIGIN

(Registered and State Sealed Grimm is put in 30-lb. and 60-lb. bags.)  
NOTE—Alfalfa Seed Sales Limited to 120 lbs. per Customer—

Prices include sacks	Purity	Peck	Bu.	100 Lbs.
<b>DAKOTA NO. 12 MONTANA</b>				
Master Farmer	99.25	\$ 7.85	\$30.60	\$51.00
<b>DAKOTA NO. 12, IDAHO</b>				
Master Farmer	99.50	7.95	31.20	52.00
<b>DAKOTA NO. 12, NORTH DAKOTA</b>				
Master Farmer	99.25	7.85	30.60	51.00
<b>GRIMM, MONTANA REGISTERED</b>				
Master Farmer	99.50	8.90	34.80	58.00
<b>GRIMM, IDAHO REGISTERED</b>				
Master Farmer	99.50	9.15	35.70	59.50
<b>BLACKFOOT</b>				
Master Farmer	99.25	7.95	30.90	51.50
<b>VARIEGATED, MONTANA</b>				
Master Farmer	99.25	7.95	30.90	51.50
<b>COSSACK, MONTANA</b>				
Master Farmer			Not Available	
<b>LADAK, MONTANA</b>				
Master Farmer	99.25	7.85	30.60	51.00
<b>LADAK, MONTANA REGISTERED</b>				
Master Farmer	99.50	8.90	34.80	58.00
<b>LADAK, IDAHO REGISTERED</b>				
Master Farmer	99.50	9.15	35.70	59.50

## HARDY GRASSES

Prices include sacks	Purity	25 Lbs.	50 Lbs.	100 Lbs.
<b>TIMOTHY</b>				
Master Farmer	99.50	\$ 2.40	\$ 4.50	\$ 8.75
Fancy	99.00	2.35	4.40	8.50
<b>TIMOTHY &amp; ALSIKE MIXTURE</b>				
20-25% Alsike		4.75	9.15	18.00
30-35% Alsike		5.60	10.90	21.50
<b>BROME GRASS—MASTER FARMER</b>				
Canadian No. 1		4.95	9.60	19.00
<b>REED CANARY GRASS</b>				
Fancy		9.00	17.65	35.00
<b>CRESTED WHEAT GRASS,</b>				
<b>MASTER FARMER</b>				
Canadian No. 1		4.85	9.40	18.50
<b>DOMESTIC RYE GRASS</b>				
Master Farmer		3.75	7.15	14.00
<b>KENTUCKY BLUE GRASS</b>				
Master Farmer		7.90	15.60	31.00
<b>CREeping BENT</b>				
1 lb., 85c—5 lbs., \$4.00, ppd.		18.90	37.60	75.00

Prices include sacks	Purity	25 Lbs.	50 Lbs.	100 Lbs.
<b>MEADOW FESCUE</b>				
RED TOP		\$7.70	\$15.15	\$30.00
<b>MASTER "A" MIXTURE</b>				
All Season Mixture for heavy soils		5.00	9.65	19.00
<b>MASTER "B" MIXTURE</b>				
All Season Mixture for light soils		7.75	15.15	30.00
<b>MASTER "C" MIXTURE</b>				
(Brome-Alfalfa, etc.)		7.75	15.15	30.00
<b>MASTER "D" MIXTURE</b>				
(Brome-Crested Wheat, etc.)		7.75	15.15	30.00
<b>MASTER "E" MIXTURE</b>				
(Brome-Meadow Fescue, etc.)		7.95	15.65	31.00
<b>MASTER "F" MIXTURE</b>				
(Short Rotation Mixture)		7.00	13.65	27.00
<b>MASTER "G" MIXTURE</b>				
(Short Rotation Mixture for soil with lime)		5.70	11.15	22.00
<b>MASTER "H" ANNUAL HOG PASTURE</b>				
MIXTURE		2.65	5.00	9.75

## IMPROVED SEED GRAINS

Prices include sacks	Bu.	5 Bu. @	10 Bu. @	25 Bu. @
<b>BARLEY</b>				
Wisconsin Barbless (Wisc. 38)	\$2.05	\$ 2.00	\$ 1.95	\$ 1.90
<b>FLAX</b>				
Red Wing	4.60	4.55	4.50	4.45
Blwing (From Reg. Seed)	4.90	4.85	4.80	4.75
<b>OATS</b>				
New Vicland (From Reg. Seed)	1.90	1.85	1.80	1.75
New Tama (From Reg. Seed)	2.00	1.95	1.90	1.85
Nakota Hulless (From Reg. Seed)	2.10	2.05	2.00	
Gopher	1.60	1.55	1.50	1.45
Minrus	1.60	1.55	1.50	1.45
Boone Oats	1.75	1.70	1.65	1.60

Prices include sacks	Bu.	5 Bu. @	10 Bu. @
<b>BUCKWHEAT</b>			
Japanese	\$2.55	\$ 2.50	\$ 2.45
Silver Hull	2.55	2.50	2.45
<b>WHEAT</b>			
Rival	2.60	2.55	2.50
Regent	2.60	2.55	2.50
Minturki Winter—Write for prices, August, 1944.			
Marmin Winter—Write for prices, August, 1944.			
<b>SPELTZ OR EMMER</b>			
			Not Available This Year

**SAVE THIS  
CATALOG**

Paper shortage may prohibit printing one next year—keep this book for reference—it contains most important information of value. Supplementary price lists available as issued.

SEE ORDER BLANK IN BACK OF CATALOG

# FARMERS SEED & NURSERY CO'S Blue Figure Price List

## MINNESOTA-GROWN SEED CORN

All Registered Seed Corn in 1-bushel, State Sealed Bags. See catalog pages 68 and 69 for description and adaptability of varieties. Prices subject to market changes and stocks being unsold. Germination guaranteed 90% or better (State Laboratory tests show 95%-98%).

### HYBRID SEED CORN

All Barbak treated and each hybrid tagged for Planter Plate Recommendations.

All Master Farmer Hybrids (except F-21) Certified and Sealed on Affidavit by Minnesota Crop Improvement Assn.

All Minhybrids Registered and Sealed by Minnesota Crop Improvement Assn.

All Master Farmer Hybrids Registered with Minnesota State Dept. of Agriculture, as per State Law.

Strictly Minnesota grown (in Rice, LeSueur, and Waseca Counties.)  
L—Large M—Medium S—Small R—Rounds F—Flats

### Uniform Standardized Grades

LF—over a 21 Round Screen and through a 14 Slotted Screen.  
LR—over a 21 Round Screen.  
MF—over a 19 Round Screen and through a 13 Slotted Screen.  
MR—over a 19 Round Screen.  
SF—over a 17 Round Screen and through a 11 Slotted Screen.  
SR—over a 17 Round Screen.

### IMPORTANT NOTICE

In December (after our Master Planting Guide had been printed and released, and after our tags had been printed for a number of our hybrids), the Minnesota Experiment Station published new Maturity Numbers for all hybrids sold in Minnesota. The Minnesota Hybrid Seed Corn law specifies that all hybrids sold in this state must now be classified accordingly. On this price list we publish the maturities for our hybrids, as determined by the Experiment Station.

### Cash Prices—No Discount

HYBRID	GRADE	State Seed Laboratory Germ. Test	Matur-ity Days	Peck	1/2 Bu.	Bu.
Master F-21				Sold Out		
Master F-40				Sold Out		
Master F-60				Sold Out		
Master F-82				Sold Out		
Master F-101	LF	95%	112 to 116	\$2.20	\$4.15	\$7.75
Master F-101	LR	95%	112 to 116	1.70	3.15	5.75
Master F-105	LF or MF	95%	112 to 116	2.20	4.15	7.75
				All Other Grades Sold Out		
Master F-106						
(Ideal Hybrid Silo)	LF or MF	98%	116 to 120	1.90	3.60	6.75
				All Other Grades Sold Out		
Minhybrid 800				All Grades Sold Out		
Minhybrid 702				Sold Out		
Minhybrid 602	LF or MF	98%	95 to 99	2.35	4.35	8.25
Minhybrid 602	LR	98%	95 to 99	1.90	3.35	6.25
Minhybrid 502	LF or MF	98%	103 to 107	2.35	4.35	8.25
Minhybrid 502	MR	98%	103 to 107	2.10	3.85	7.25
Minhybrid 502	LR	98%	103 to 107	1.90	3.35	6.25
Minhybrid 404	LF or MF	95%	108 to 112	2.20	4.15	7.75
Minhybrid 404	MR	98%	108 to 112	1.90	3.60	6.75
Minhybrid 404	LR	98%	108 to 112	1.70	3.15	5.75
Minhybrid 405	LF or MF	98%	110 to 114	2.10	3.85	7.25
Minhybrid 405	MR	98%	110 to 114	1.90	3.35	6.25
Minhybrid 405	LR	98%	110 to 114	1.50	2.85	5.25

## TWO IMPORTANT RULES TO FOLLOW

(A) If two Corn Hybrids possess equal genetic potentialities for yield, and one is later than the other, the later maturing variety will give the greater yield. Select varieties which will utilize the full growing season for your zone, and still will mature safely as recommended. (See chart on page 69.)

(B) Plant 4 seeds per hill, in order to harvest 3 stalks per hill. Stand is most important in securing the maximum yield. Even with the finest quality seed obtainable, losses in stand of about 25% may be obtained thru imperfections in planting, soil conditions, cultural practices, unfavorable weather and damage from rodents. Studies from the 1940 Minnesota Official Yield Trials show an average increase of 3.6 bushels per acre for Early and Medium Hybrids, and 4 bushels per acre for late Hybrids, using 4 seed plantings. The small additional seed cost will provide good insurance, and prove a wise investment.

### Registered Open Pollinated Seed Corn

	Germ.	Peck	Bu.
MINN. 13 HANEY'S, Registered, Minn. Grown.....	98%	\$1.90	\$7.00
NORTHWESTERN DENT, Registered, Minn. Grown.....	98%	2.00	7.50

### SILAGE AND FODDER CORN

	Germ.	Peck	Bu.
EVERGREEN SWEET FODDER.....		Not Available	
MINN. 13 FODDER, Central Strain, Minn. Grown....		\$1.00	\$3.50
CANADA SMUT NOSE FLINT, Minn. Grown.....	95%	1.50	5.50
RAINBOW FLINT, Minn. Grown.....	95%	1.50	5.50
RAINBOW FLINT, Nebraska Grown.....	95%	1.40	5.00

### RAPE, CANE, SUDAN GRASS, MILLET

	25 Lbs.	50 Lbs.	100 Lbs.
Prices include sacks			
RAPE, Dwarf Essex, U. S. Grown.....	\$4.75	\$ 9.15	\$18.00
CANE			
Minnesota Early Amber.....	2.00	3.65	7.00
Dakota Amber, 39-30-S.....	2.00	3.65	7.00
Fodder Cane.....	1.85	3.40	6.50
SUDAN GRASS, Master Farmer.....	3.35	6.40	12.50
SUNFLOWER SEED, Mammoth Russian.....	6.25	12.15	24.00
MILLET			
Golden or German.....	2.00	3.65	7.00
Siberian.....	1.85	3.40	6.50
Japanese.....	1.75	3.15	6.00
White Proso or Hog.....	1.50	2.65	5.00
Turghai Proso.....	1.60	2.90	5.50

### SOY BEANS

	(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
HABARO TYPE, Minn. Grown.....		\$ .90	\$3.10	\$5.00
EARLY MINN. MANCHU.....		.85	2.95	4.75
RICHLAND (From Reg. Seed) Minn. Grown....		.90	3.10	5.00

### FIELD PEAS & VETCHES

	(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
CANADA YELLOW FIELD PEAS				
Minnesota Grown.....		\$1.40	\$4.90	\$ 8.00
VETCHES, HAIRY OR SAND				
Minnesota Grown.....		2.75	10.35	17.00

## NORTHERN GROWN CERTIFIED SEED POTATOES

Certified Seed Potatoes are your best crop insurance. Don't buy just ordinary U. S. No. 1 Grade Seed Potatoes—don't let price decide the placing of your order. You have too much at stake to gamble with ordinary seed.

For years we have specialized in State Certified Potatoes. These are checked for disease and type

repeatedly during the growing season—inspected again at grading time, and in the bin. Finally they merit the Official Certification Tag on each 100 lb. bag.

We make one exception, by offering in addition to Certified Sebago Potatoes, a lot not certified, U. S. No. 1 Grade Sebago. This variety due to its resist-

ance to disease, especially late blight, we feel is most dependable, and of exceptional value.

Due to O. P. A. regulations, we cannot offer Certified Potatoes less than bag lots (99 lbs.). Those requiring smaller quantities, are asked to join with neighbors in making up full bag orders.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
EARLY OHIO, Certified.....	\$5.40	\$5.15
EARLY WHITE WARBA, Certified.....	5.40	5.15
EARLY IRISH COBBLERS, Certified...	5.40	5.15
CHIPPEWA, Certified.....	5.40	5.15
NEW KASOTA, Certified.....	5.40	5.15

For trial purposes or small Victory Gardens, Seed Potato Eyes will be available in all varieties. Small gardeners will save on seed costs and transportation in ordering these—see catalog page 21.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
KATAHDIN, Certified.....	\$5.40	\$5.15
PONTIAC, Certified.....	5.40	5.15
NEW SEBAGO, Certified		
Blight Resistant (Maine Grown).....	5.95	5.70
NEW SEBAGO, U. S. No. 1		
Blight Resistant (Mich. Grown).....	4.45	4.25

ALL PRICES SUBJECT TO CHANGE—SEND FOR REVISED PRICE LIST IF ORDERING LATER—





## Ask the Man who Grows Them!

### THE TALK OF THE NEIGHBORHOOD

"I planted your Ideal Hybrid Silo Corn June 15th, and it stood up just fine. It grew 12 ft. tall with ears 11 and 12 inches long! Everybody is wondering where I got the seed. They all said they never saw such big ears. I snapped about 1600 bu. from six acres. I sure am proud of it. The best corn I ever had."

*John Nickel, Hustisford, Wisc.*

### FINE FOR THIS SECTION

"Your Master F 101 Hybrid turned out much better than my Minhybrid 404. It is certainly a fine corn for this section."

*Jos. Schaeffler, Lafayette, Minn.*

### DRIEST CORN HE HAD

"More than pleased with F101. It stayed green longer, but when I started to pick, it was the driest corn I had. It tested 17 per cent moisture. The ears hang on well and it yields as heavy as any other hybrid on the market."

*Ronald E. Tigges, Peterson, Iowa*

### BETTER QUALITY CORN

"I planted your Master F 101, Master F 105, and Master Ideal Hybrid Silo Corn along side of three other good hybrids. Your Master Hybrids produced a lot better quality corn. I only wish I had planted more."

*Edw. Pomeroy, Brewster, Minn.*

### AVERAGED 2 EARS PER STALK

"Your Ideal Hybrid Silo Corn made a splendid crop of silage. Stalks were 12 ft. high, and carried an average of two ears per stalk. They stood straight with an abundance of foliage."

*E. R. Prindle, Alma Center, Wisc.*

### SEE PAGES 68 & 69 FOR OTHER MASTER & MINHYBRIDS

## MASTER IDEAL F-106 HYBRID SILO CORN (116-120 Days)

Now we offer a HYBRID—developed from our famous Ideal Silo Corn! Nine foot plants carry ears 3 feet from the ground. The 9 to 10 inch ears are packed with 16 rows of deep, soft-starch, yellow kernels of high feeding value.

Fifteen tons of quality silage per acre! Silage is best when corn is "medium dented." Then the entire plant contains 70% moisture, and ears are well developed—while plant remains green.

Master Ideal Hybrid is splendid for silage in all zones—figuring maturity at 10 days later than for grain production. Be sure to try this great new silage producer!

SEE BLUE FIGURE PRICE LIST

## MASTER F-101 (112-116 Days)

A new full season corn hybrid for Southern Minnesota and similar territories. An early vigorous grower with very fine standing ability. The attractive ears average 9 inches or more in length and are borne on short, sturdy shanks. Extra deep, high quality kernels of rich yellow color. Made a record yield of 111 bu. per acre in Winona County in 1941 Minnesota Yield Trials.

This outstanding Hybrid was selected for the 1942 Minn. State Corn Husking Contest. (Cancelled for Duration)

SEE BLUE FIGURE PRICE LIST

**Every  
BAG**

Treated,  
Certified  
and  
State  
Inspected

## BUY DIRECT—NO AGENTS!

See our money-saving price list at the left. Order direct from growers by mail—you save Agent's profits,—but ORDER EARLY!

**SAVE  
MONEY**



# HOME CANNERS FAVORITES!

## FARIBO BRITTLE WAX BEANS

(No. 9)—The finest in Wax Beans. Heavy loads of tender, succulent, buttery-flavored, absolutely stringless beans. Ideal for table use, canning or freezing.

Big Pkt. 10c, 1/2 lb. 25c, lb. 40c prepaid (See page 5)

## TENDERGREEN STRINGLESS BEANS

(No. 21)—Round, fleshy, brittle, green beans that make a dinner treat, fresh from the garden, canned, or frozen. Tender, stringless, fiberless, appetizing flavor.

Big Pkt. 10c, 1/2 lb. 25c, lb. 40c prepaid (See page 4)

## TENDER GIANT PEAS

(No. 475)—A mid-season, large podded variety of superior sweetness, flavor and tenderness. A most popular canner. Matures after the early dwarf peas, and before other large podded, main crop sorts.

Big Pkt. 10c, 1/2 lb. 20c, lb. 35c prepaid (See page 19)

## PLANT A VICTORY GARDEN

and do your share to win the war

**6 BIG PACKETS**  
**HOME CANNER'S FAVORITES**  
(one of each shown here)

**55c**  
Ppd.

## KANNER KING HYBRID SWEET CORN

(No. 248)—Large, uniform, ears packed with tender golden kernels of high-sugar content. A main crop, heavy yielding hybrid of super quality for table, canning or freezing.

Big Pkt. 12c, 1/2 lb. 30c, lb. 55c prepaid (See page 10)

## DETROIT DARK RED BEETS

(No. 85)—These smooth, uniform, attractive beets, with crisp flesh of deep blood red, are sweet and tender, without a trace of woodiness.

Pkt. 10c, Oz. 25c, 1/4 lb. 85c prepaid (See page 6)

## PRITCHARD TOMATO

(No. 617)—Also called "Scarlet Topper." Smooth, solid, bright scarlet fruits are produced in great abundance on self topping, disease resistant plants. Tasty and attractive, sliced or canned.

Pkt. 15c, 1/2 Oz. 40c, Oz. 70c prepaid (See page 24)

# 1944—A Challenge to the Victory Gardener

HOME OF  
"MASTER  
FARMER"  
SEEDS



Re-enlist in the Garden Army. 22 million gardens must be planted this year—4 million over the 1943 goal. So, come on Victory Gardeners, Let's go!



FARIBAULT, MINN. - JAN. 1944

Greetings to  
All our good Friends:

We are proud of our Army of Friends and Customers—proud of the way you helped to smash all Food Production records. You were patient when all of your last season's demands could not be met and the help shortage slowed up our usual service. Despite all, you came through with new high records from Victory Gardens, fields and farms, and we want to commend you for the excellent results you have achieved.

Now we face another War Year. From the outer darkness the sun of Victory is rising, but our job is not finished. This year Food Production may determine the Peace, and a new high record must be reached. 380 million acres are to be planted compared to 364 million in 1943.

Four million more Victory Gardens than in 1943 are needed. To ease matters, there will be more farm machinery, more insecticides, and more fertilizers available than last year.

We too, are better equipped to serve your wants, though there are some shortages and the increased demand is unpredictable.

Your prospects for a successful year in gardening or farming were never better. Let us help you to make the most of your opportunities by supplying the seeds for the best Victory Crops. A careful study of this catalog will start you on the right way and help to hasten Victory.

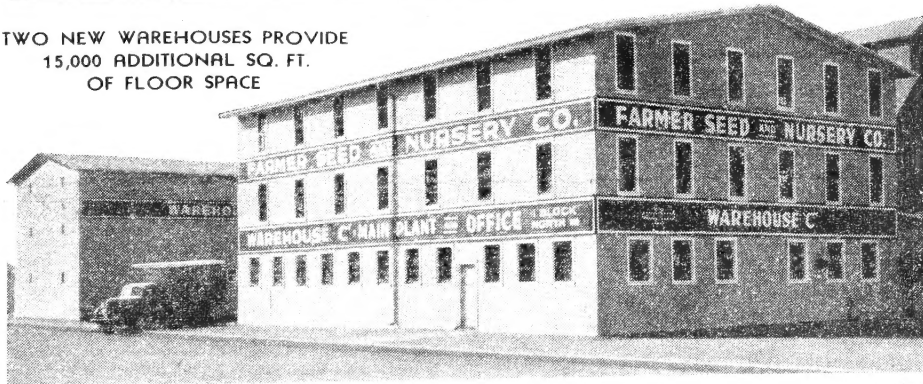
Farmer Seed & Nursery Co.,

*E. Kienapp* - President

OUR "MASTER HYBRID" SEED CORN  
DRYING PLANT—



TWO NEW WAREHOUSES PROVIDE  
15,000 ADDITIONAL SQ. FT.  
OF FLOOR SPACE



Look for the  
"FARIBO" SEED CASE  
at your Dealers

CEILING PRICES ———

It is our endeavor to keep *BELOW* ceiling prices wherever possible.

BULBS - NURSERY STOCK - ONION SETS AND  
SEED POTATOES SHIPPED AT PLANTING TIME

See Index on Page 78



Save This Catalog for Reference—Paper Shortage may cut down Our Next Issue.





Night Scene at Trial Garden on U. S. Highway 65 where seed stocks are tested

## Asparagus (Asparagus Roots on page 27)

Leaflet on Asparagus Culture Free Upon Request

**4. NEW PARADISE**—Rust-Resistant. Produces a normal crop one year earlier than other varieties and gives heavier production throughout its life. Large crisp, tender stalks of exceptionally fine, mild flavor. Only 6 to 8 stalks required to the pound. The seed should be planted very thinly in seed beds the first season. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.25, prepaid.

**5. WASHINGTON**—Rust-Resistant. The leading variety grown by market gardeners. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

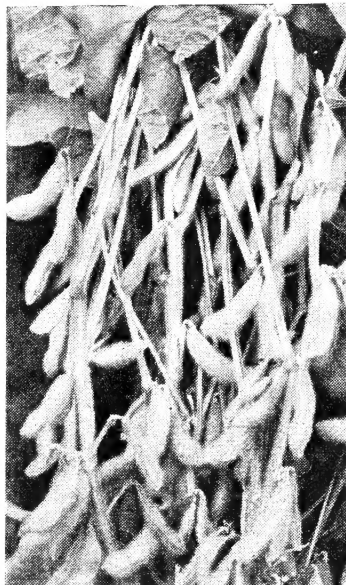
## Edible Soy Beans →

### NUTRITION KING OF VEGETABLES

For cooking, baking, canning, freezing and sprouting. Get free recipe folder.

**29. BANSEI**—Considered the best of these early miracle beans. No single vegetable variety surpassing Edible Soy Beans in nutritional values. You have read about them in all the leading magazines and newspapers. Bansei grows 18-24" tall—will thrive in any average garden soil,—is resistant to disease and insect pests—and ready to eat in 90 days. Pods are 2½" long. Beans bright green to yellow at maturity. Price: Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$3.00.

**Bansei's for Cooking—Baking—Freezing—Sprouting**—To prepare green shell soy beans cover pods with boiling water, let stand for five minutes then drain and shell. To one pint of hulled beans add one pint of boiling water and ¾ teaspoon salt. Cover and cook for ten minutes after boiling starts. Drain and season with butter. Dozens of new recipes free on request. Bansei's for cooking and baking: Lb. 35c, 2 lbs. 60c, 5 lbs. \$1.40, prepaid. No ration stamps needed.



Bansei Edible Soy Beans

## Green Bush Beans

Cultural Directions on Page 5

**22. NEW KEYSTONIAN**—All America Award Winner. This new all purpose stringless green bean produces long, round, straight pods of superb quality. It is adapted to all sections of the country—is very productive, and ideal for canning, freezing, shipping or the home garden. Mammoth pkt. 15c, ½ lb. 35c, lb. 65c, 2 lbs. \$1.10, prepaid.—Not prepaid, 5 lbs. \$2.50, 10 lbs. \$4.60.

**21. TENDERGREEN STRINGLESS**—(54 days.) So tender and snappy it fairly melts in your mouth! Excellent for home garden or market. Pod: 6 inches long, round fleshy, dark green, stringless and of fine quality. A very heavy yielder. Seed: brown, blotched with light fawn. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.60, 10 lbs. \$3.00.. (See color page 2.)

**25. BURPEE'S STRINGLESS GREEN POD**—(52 days.) Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod: 6 inches long, medium green, round. Seed: coffee brown. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

**27. BOUNTIFUL**—(49 days.) A bountiful yielder of delicious, extra early, green, stringless beans. For home garden and for early market, Bountiful is unsurpassed. Pod: 6¾ inches long, flat, stringless and of fine quality. Seed: yellow straw color. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

**NEWEST FOOD PRESERVATION GUIDE** describes all methods of canning, quick freezing, dehydrating, brining, winter storage—48 pages, illustrated. Price 10c



Faribault's famous Canning Center where many hundreds of enthusiastic Faribault Victory Gardeners processed and canned their garden vegetables with factory equipment and expert assistance. Operating day and night, this project was one of the most successful in the Northwest.



Faribault women select their own numbered cans of food which are ready to take home for winter enjoyment. The equivalent of 72,000 cans of food, No. 2 size, were canned for Victory at Faribault's Canning Center (an average of almost 6 cans for each of Faribault's inhabitants!).





This is Decatur, a vigorous disease-resistant new Pole Bean.

Inoculate Bean Seed With

**LEGUME-AID**

for Bigger Yields.

See page 19 for Price.

## Delicious Lima Beans

**CULTURE**—Plant in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant 3 inches deep. 1 lb. plants 50 ft. of row.

**49. EARLY BABY POTATO BUSH LIMA**—An All-America Winner. (72 days.) A small thick seeded butter bean with Fordhook flavor and a dependable producer of good sized pods in most all sections. Sturdy plants, 12 to 16 inches high, are early and prolific. Seeds attractive bright green at eating stage, creamy white when dry. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 5 lbs. \$1.75, prepaid.

**50. FORDHOOK BUSH LIMA**—(75 days.) Most popular large seeded Dwarf Lima. Big, plump, buttery beans of delicious flavor. Pods are 4½ inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans: large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 5 lbs. \$1.75, prepaid.

**51. BURPEE'S IMPROVED BUSH LIMA**—(75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1¼ inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, wrinkled; white with greenish tinge. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 5 lbs. \$1.75, prepaid.

**52. HENDERSON BUSH LIMA**—(68 days.) Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3¾ inches long with 3 to 4 seeds. Plant is small bushy. Seeds and dry beans, creamy white. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.60, prepaid.

Wax-  
Podded  
BUSH

# BEANS

SNAPPY-  
TENDER-  
BUTTERY

1 lb. plants 50 foot row.

**CULTURE**—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often.

**NOTE**—Do not walk through, or pick beans when they are wet with dew or rain as touching the wet plants spreads the spores of anthracnose or bean canker from one plant to another.

**9. FARIBAULT BRITTLE WAX**—(52 days.) The finest in Wax Beans. An abundant yielder of tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.60, 10 lbs. \$3.00.

**10. TOP NOTCH GOLDEN WAX**—(50 days.) New bean resembling Improved Golden Wax, but superior in quality and yield. The pods run about 6 inches long, stringless, of rich yellow color, nearly flat and broad. The seed resembles Golden Wax but the pods run about an inch longer and are absolutely stringless. The maturity is a few days later. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

**12. BLACK PENCIL POD WAX**—(52 days.) Vigorous, productive and of appetizing flavor. Pods are 6¾ inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

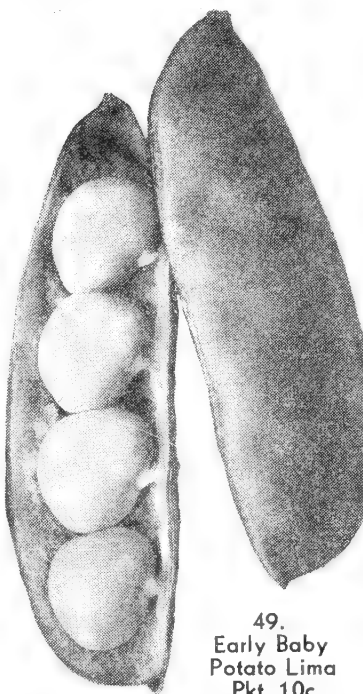
**15. SURE CROP STRINGLESS WAX**—(53 days.) Particularly favored by truckers and shippers. Resistant to blight and rust, exceptionally hardy and vigorous even in dry sections. Bears heavily. Pods are 6½ inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

### All Season Bean Collection

One  
Pkt.  
Each

Tendergreen Stringless  
Sure Crop Wax  
Baby Potato Lima  
Kentucky Wonder Pole

35c ppd.



49.  
Early Baby  
Potato Lima  
Pkt. 10c



Sure Crop Stringless Wax—Sturdy and productive.

**16. UNRIVALLED ROUND POD WAX**—(52 days.) Very popular among our market gardener trade. Pods are 5½ inches long. Attractive deep yellow, thick, flat, brittle, stringless when young. Plant is dwarf, erect, stocky, very productive. Seeds are small, oval, glossy golden brown. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

**19. EARLY WONDER WAX**—(40 days.) Extremely early and resistant to rust, a very heavy yielder. Pods are 6½ inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

## Pole Snap Beans

One pound plants 200 hills. Plant hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

**58. DECATUR**—A Silver Medal Winner. Early, stringless in all stages, resistant to rust and bean mosaic, this new Pole Bean is the heaviest bearer of them all. The dark green pods are 6 to 8 inches long, round, nearly straight, meaty and of fine quality. Seeds are ivory-white and small. Hardy and vigorous, the plants are uniform in growth and pod type and reach a height of 6 to 7 feet. Mammoth pkt. 10c, ½ lb. 30c, lb. 50c, 2 lbs. 85c, 5 lbs. \$2.00, prepaid.

**60. KENTUCKY WONDER**—(65 days.) (Old Homestead.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. Seeds are buff brown. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.55, 10 lbs. \$2.85.

## Beans for Baking

**30. RED KIDNEY OR CHILI BEAN**—(95 days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 8c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. \$2.75.

**40. GREAT NORTHERN**—Better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 8c, ½ lb. 15c, 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 85c, 10 lbs. \$1.60.

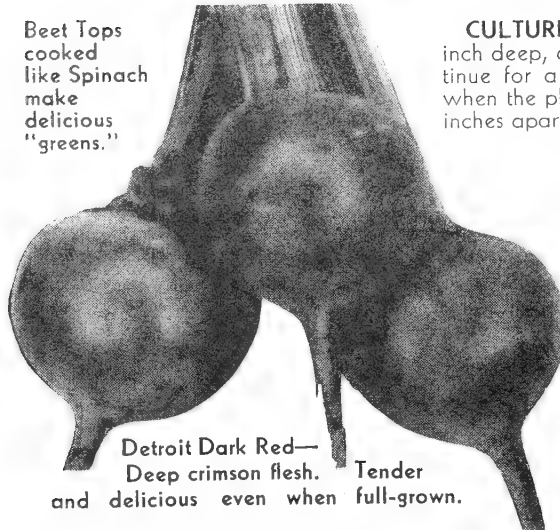
**41. ROBUST NAVY**—Plants are of decidedly robust growth. Beans are clear white. Mammoth pkt. 8c, ½ lb. 15c, 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 80c, 10 lbs. \$1.50.

**42. MICHELITE NAVY**—An improved navy bean introduced by the Michigan Agricultural Station. Resistant to mosaic and bacterial blight. Vines similar to navy. Seed glossy white, small, full oval shape. Mammoth pkt. 8c, ½ lb. 15c, lb. 25c, prepaid.—Not prepaid 5 lbs. 85c, 10 lbs. \$1.60.

# Tender Young Table Beets

Sow 1 oz. to 80 ft. of row—6 lbs. per acre.

Beet Tops  
cooked  
like Spinach  
make  
delicious  
"greens."



**Detroit Dark Red—**  
Deep crimson flesh. Tender  
and delicious even when full-grown.

**CULTURE**—Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart.

**83. EXTRA EARLY WINESAP**—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid. Not prepaid, 5 lbs. at \$2.80 per lb.

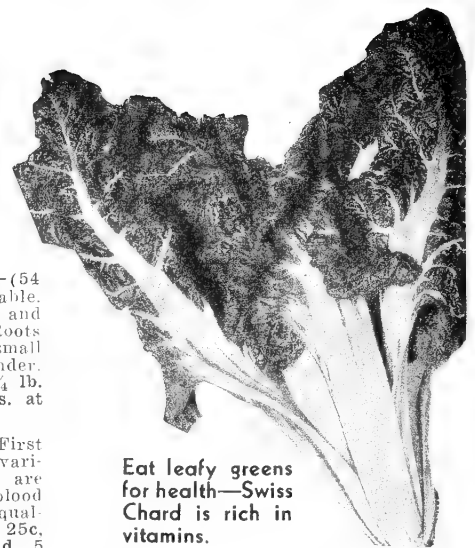
**84. EARLY WONDER**—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.85, prepaid. Not prepaid, 5 lbs. at \$2.60 per lb.

**86. CROSBY'S EARLY EGYPTIAN**—(60 days.) A standard early variety, very popular with market gardeners, as the tops bunch well and it makes a good appearance with dark red, flat-globe or turnip-shaped roots. Small taproot. Tops large and tall; flesh purplish red with indistinct lighter zones. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.85, prepaid. Not prepaid, 5 lbs. at \$2.60 per lb.

**89. EARLY BLOOD TURNIP**—(68 days.) One of the best for home use or for market gardeners. Tops medium small, but fairly coarse. Roots turnip-shaped; dark red. Flesh bright red with zones of lighter shade. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$2.85, prepaid. Not prepaid, 5 lbs. at \$2.60 per lb.

**Sugar Beets**—See No. 115 Klein Wanzleben at bottom of this page.

Ask for free leaflet, "How to Produce Your Own Sugar and Syrup from Sugar Beets."



Eat leafy greens  
for health—Swiss  
Chard is rich in  
vitamins.

## Swiss Chard or Spinach Beet

**98. LUCULLUS**—A variety of beet grown for its leaves, which are fleshy and attractively crumpled and make very choice greens. The succulent stalks and midribs may be prepared in the same way as asparagus. If only the outer leaves are gathered, the inner leaves will continue to grow and repeated pickings may be made from July to heavy frost. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.85, prepaid. Not prepaid, 5 lbs. at \$2.60 per lb.

Other Greens rich in Vitamins and Minerals are: Spinach (page 22)

Mustard Greens (page 16)  
Kale or Borecole (page 26)

Six Vegetables You Can Sow in August for Fall and Winter Eating:

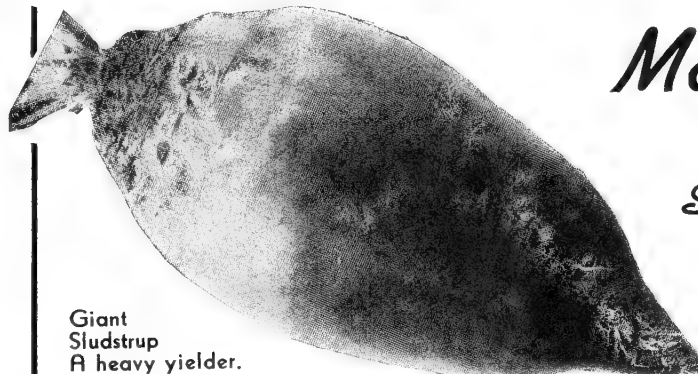
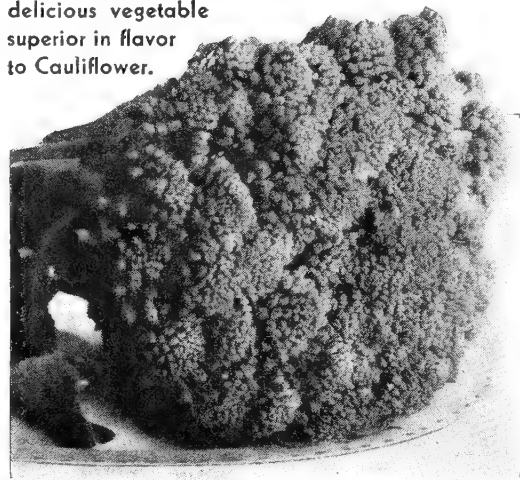
Carrots	Kale	Rutabaga
Beets	Lettuce	Spinach

## Table Delicacies

**70. BRUSSELS SPROUTS**—A delicious vegetable for fall and early winter use. The plant stalks are covered with small cabbage-like sprouts, tender and succulent. The flavor is improved by a touch of frost. Requires the same method of culture as late cabbage. Pkt. 10c, ½ oz. 40c, oz. 70c, prepaid.

**80. ITALIAN GREEN SPROUTING BROCCOLI**—Famed for its tender, delicious flavor and healthful qualities. Cultivated like cabbage, it bears a succession of sprouting heads which if kept cut will be replaced by others for 8-10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. Should not be cooked longer than 15-20 minutes or the delicate flavor will be destroyed. Pkt. 10c, oz. 40c, ¼ lb. \$1.50, prepaid.

Broccoli—a  
delicious vegetable  
superior in flavor  
to Cauliflower.



**Giant  
Sludstrup**  
A heavy yielder.

## Mangels or Stock Beets

Sow 1 oz. to  
100 ft. of drill  
5 lbs.  
per acre.

Mangels are the most important of all root crops for feeding livestock. Palatable, easily digested and highly nutritious, both Dairy Farmers and Poultry Raisers find them a valuable winter feed for cattle and poultry. They increase the flow of milk when fed to cattle; they keep hens healthy and stimulate egg production. They should be fed at the rate of 25 lbs. to 100 hens per day, with grain. Mangels are easily stored for winter, in root cellars or outdoor pits.

**CULTURE**—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted 1¼ to 1½ inches deep. Thin out to stand 8 inches apart in row.

**105. MINNESOTA GOLDEN TANKARD**—High in sugar content, a heavy cropper and easily harvested. Roots large, nearly cylindrical, partly above ground; skin orange. Flesh yellow. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.65 per lb.

**106. MAMMOTH LONG RED**—Yields from 20 to 30 tons per acre. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.65 per lb.

**108. GIANT SLUDSTRUP**—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge. Oz. 15c, ¼ lb. 50c, lb. \$1.80, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

**109. GIANT HALF SUGAR**—Roots are long, oval, white with light bronze-green shoulder. Flesh is white and high in sugar content. Oz. 15c, ¼ lb. 50c, lb. \$1.80, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

**115. SUGAR BEET, KLEIN WANZLEBEN**—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh. Oz. 15c, ¼ lb. 50c, lb. \$1.80, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

# Carrots are Rich in Food Value



One ounce of seed will sow 100 feet of row, three to four pounds per acre.

**CULTURE**—Carrots will grow in any soil, but sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. Plants should be thinned to two, three, or even four inches apart in the row.

**Note**—As freshly manured soil often causes divided roots, it is better to plant in soil that has been richly fertilized the previous season.

PKT. 10c  
171. Danver's Half Long.  
A heavy yielder and fine keeper.

**170. F. S. & N. CO'S SUPERIOR MARKET**—(76 days.) The finest shipping carrot in cultivation. Its attractive bunching appearance makes Superior Market sell on sight. Roots: 8 inches long, 2 inches thick at top; with sloping shoulder, tapered to a semi-blunt end, very uniform. Flesh: rich orange color, fine grained, scarcely noticeable core, tender, and of delicious flavor. Pkt. 10c, oz. 35c, ¼ lb. \$1.15, lb. \$4.25, prepaid.

**171. DANVER'S HALF LONG**—(75 days.) A most popular and reliable carrot for home and market gardening. Easily harvested, a good keeper and an excellent shipper. Roots: 7 inches long, tapered to a blunt end. Flesh: bright orange, tender and of a good quality. Pkt. 10c, oz. 30c, ¼ lb. \$1.05, lb. \$4.00, ppd.

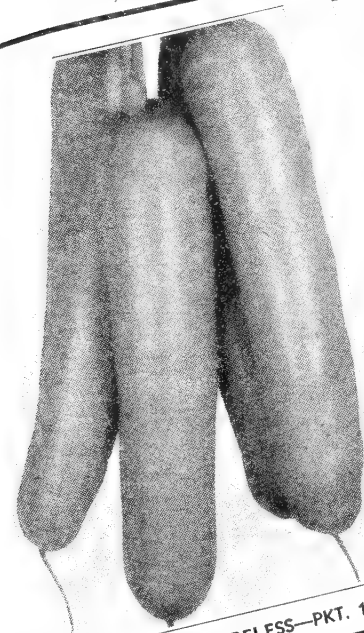
**172. NANTES CORELESS HALF LONG**—(69 days.) Customers who do not like ordinary carrots are delighted with these. They have a distinct flavor and tenderness all their own, and when half grown they are a rare delicacy on any table. Roots: 6 inches long, bright orange, cylindrical, blunt ended. Flesh: reddish-orange, crisp, tender, of very delicate flavor, practically coreless. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, lb. \$4.65, prepaid.

**176. NEW STREAMLINER**—(78 days.) A modern bunching carrot of such handsome proportions it has become a leading profit maker "overnight" for shippers and market growers. Tops short, dark green, with strong stems. Roots: 10 inches long, slender, nearly cylindrical, grow completely underground. Color very deep orange with small, red core. Pkt. 10c, oz. 30c, ¼ lb. \$1.15, lb. \$4.25, prepaid.

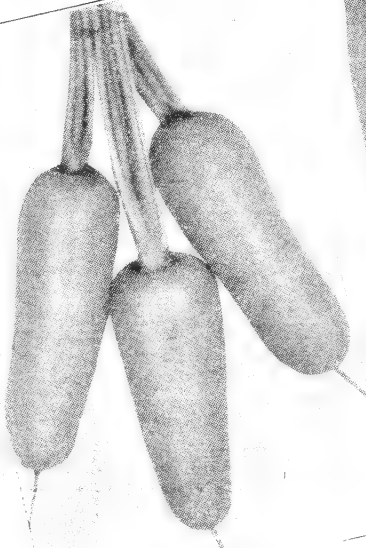
See Color Illustration on Front Cover.

**177. RED CORE CHANTENAY**—(72 days.) A desirable carrot of good color, valuable for canning and also for market growers. Roots deep reddish-orange, 5½ to 6 inches long, 2¼ inches thick at shoulder, tapered. Core reddish-orange, very inconspicuous. Flesh: fine-grained and tender with a sweet, delicate flavor. Pkt. 10c, oz. 35c, ¼ lb. \$1.10, lb. \$4.00, prepaid.

Use Carco to control Root Maggots. See page 8.



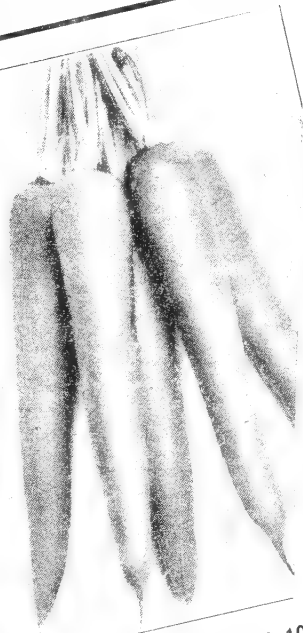
172. NANTES CORELESS—PKT. 10c



175. CHANTENAY—PKT. 10c



176. NEW STREAMLINER—PKT. 10c



170. SUPERIOR MARKET—PKT. 10

**Carrots**  
for Stock Feeding  
Easily Grown. Heavy Yields.

**\$3.25 POUND**  
Prepaid

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

**185. YELLOW BELGIAN**—(95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, pale yellow below. Pkt. 8c, oz. 25c, ¼ lb. 90c, lb. \$3.25, prepaid.

**173. IMPERATOR**—(77 days.) A truly outstanding type for market and shipping. Tops medium, but strong enough for good bunching. Roots: 8 inches long, 2-inch sloping shoulder; uniformly tapered to semi-blunt end. Flesh: rich orange color, extending to center, with indistinct core; fine grained and tender. Pkt. 10c, oz. 35c, ¼ lb. \$1.10, lb. \$4.00, prepaid.

**174. OXHEART OR GUERANDE**—(72 days.) Desirable for home use, prolific and a good keeper. When fully mature used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2½-inch shoulder; bright orange, thick, blunt-ended, heart shaped. Pkt. 8c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

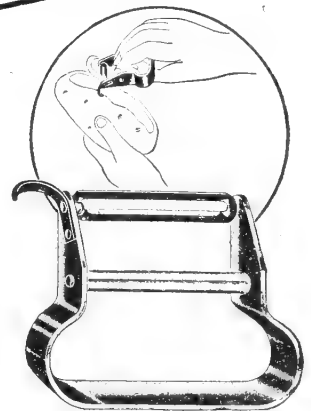
**175. CHANTENAY OR MODEL**—(71 days.) An excellent all-purpose, medium-early variety, desirable for home and market garden, and for canning diced carrots. Roots: 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 10c, oz., 35c, ¼ lb. \$1.10, lb. \$4.00, prepaid.

To give a different flavor to Creamed or Scaloped Carrots, try adding 2 or 3 tablespoons of minced parsley leaves to the cream sauce. Parsley is rich in iron. (See page 19)

**Order Early!**  
There is a severe shortage of Carrot Seed.

ONLY  
**35c**  
Prepaid

Made of  
Hammered  
Steel



**KITCHEN WONDER TOOL**  
PEELS—SLICES—SHREDS

America's cleverest, most practical gadget actually makes peeling a joy. Takes out the work, as it takes off a thin peel from fruits or vegetables. Peels quicker than a knife. Peels potatoes, and removes the eyes and decayed spots quickly. A scientific tool with tempered steel blade. Saves your fingers from stain, saves you from hard work in peeling Potatoes, Carrots, Cukes, Apples, etc. It strings Beans and Celery, shreds Cabbage, Chocolate or Soap.

You Can Enjoy Delicious Young Carrots All Summer by Planting a Short Row Every Two Weeks until August 15th.



There is a  
Serious Shortage  
of Cabbage Seed!  
So order  
early.

Golden Acre,  
an attractive variety  
for early markets.



# Fine Cabbage Seed from Pure Bred Strains

One ounce will produce about 2,500 plants.  $\frac{1}{4}$  oz. of seed for 50-foot row.

**Culture**—The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed  $\frac{3}{4}$  inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows. Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.

## Late Cabbages

## Early Cabbages

**121. EARLY JERSEY WAKEFIELD**—(62 days.) Extra early small plants with short stems—permitting close setting in the row, and hard, compact pointed heads of splendid quality. A valuable addition to home or market garden. Head: 5 inches thick, weighs 2 to 2½ lbs., small, compact, conical, 7 inches long. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.45, prepaid.

**126. GLORY OF ENKHUIZEN**—(75 to 80 days.) A second early sort particularly valuable for kraut. A good shipper. Head: 8 inches thick, weighs 5 to 8 lbs., large, round, solid, with few outer leaves, of excellent quality. Stem: medium short. Pkt. 15c, oz. 45c,  $\frac{1}{4}$  lb. \$1.65, prepaid.

**133. EARLY DWARF FLAT DUTCH**—(71 days.) A fine medium early sort and a dependable header for market or home garden. It will withstand heat, is noted for flavor and tenderness, and is a fine keeper. Head: 8 inches thick, weighs 4 to 5 lbs., nearly round, solid and of good quality. Stem: short. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.45, prepaid.

**136. EARLY COPENHAGEN MARKET**—(68 days.) Very early and of uniform maturity, compact plants, and of excellent quality. Splendid for early market and shipment. Valuable as an early kraut variety and a good home garden sort. Head: 6-7 inches thick, weighs 3½ to 4 lbs., round, solid and of superior quality. Stem: short. Pkt. 15c, oz. 45c,  $\frac{1}{4}$  lb. \$1.60, prepaid.

**138. EXTRA EARLY GOLDEN ACRE**—(63 days.) This is the earliest round headed cabbage. A Copenhagen type, but a week earlier than Copenhagen Market. Of high quality. Golden Acre is the most profitable sort on the early market. Head: 6 inches thick, weighs 3 lbs., small, round and solid. Stem: short. Pkt. 15c, oz. 45c,  $\frac{1}{4}$  lb. \$1.60, prepaid.

## A Salad Cabbage Tender and Sweet

If you have never eaten Savoy Cabbage, you have a treat in store for you. It is delicious either cooked or raw.

**150. SAVOY PERFECTION**—The head is medium in size, with rich, dark green leaves, deeply crumpled. The flavor is sweet and delicious at any season, but it is never at its best until touched by frost. An excellent keeper and the tenderest of all Cabbages. Used raw in salads and cole slaw, or cooked, the flavor is superb. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.80, prepaid.

**140. DANISH BALLHEAD (TRUE HOLLANDER)**—(105 days.) The finest late cabbage grown. The head is of an attractive white color, does not burst, and of exceptional flavor, crispness and tenderness. It survives both cold and dry-hot weather. Keeps throughout the winter. For shipping, storage or kraut—it is unsurpassed. Head: 8 inches thick, weighs 6 to 7 lbs., round and extremely solid. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, prepaid.

**141. DANISH ROUNDHEAD**—(95 days.) An early, short-stemmed strain of Danish Ballhead. In yield, head size and quality it is similar to Danish Ballhead, however, it is 10 days earlier and has a shorter stem. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, prepaid.

**142. PENN STATE BALLHEAD**—(110 days.) Developed by Penn State College of Agriculture. This late cabbage is the heaviest yielder and the most uniform of all. Especially desirable for winter storage and for kraut. Heads: Large, attractive, flattened globe-shape. Extremely hard. Weighing 15-20 lbs. each. Shows resistance to blackleg. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, prepaid.

**144. PREMIUM LATE FLAT DUTCH**—(100 days.) Slow growing, sure heading, of immense size and splendid quality. A favorite for market growing or for winter storing. Head: 10 to 12 inches thick, 7 inches deep, weighs 12 to 14 lbs.; extremely large, flat and solid. Pkt. 10c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, prepaid.



## CONTROLS ROOT MAGGOTS

Root Maggots attack your CABBAGE, CAULIFLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order  $\frac{1}{2}$  Pint early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions.

Pint 85c; Quart \$1.40 Prepaid.

**60c**

**Ppd.**

For high quality  
kraut use  
Danish Ballhead.



140.  
DANISH  
BALLHEAD.  
PKT. 15c

## Yellows Resistant Sorts

**134. HOLLANDER, WISCONSIN 8**—(100 days.) A splendid late cabbage for storage, shipment and kraut manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.80, prepaid.

**135. MARION MARKET**—(75 days.) Also known as Wisconsin Copenhagen as it is the Yellows Resistant strain of Copenhagen Market which matures early and uniformly. The round solid head averages 7 inches thick, weighs 4 pounds, has short stem. Good for early kraut. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.80, prepaid.

**137. WISCONSIN "ALL SEASONS"**—(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.80, prepaid.

Cabbage Plants  
Page 27

## Red Cabbage

Distinct in Flavor

**152. MAMMOTH RED ROCK**—(98 days.) The largest and best of the red cabbages. Of superior quality and an excellent keeper. Head: 7 inches thick, weighs 7 to 8 lbs., round, extremely hard, color purplish red. Pkt. 15c, oz. 45c,  $\frac{1}{4}$  lb. \$1.65, prepaid.

## HOTKAPS FOR EARLIER CROPS

HOTKAPS protect young cabbage plants from frost, wind and hail. Growth is forced and yield increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier and bring premium prices. See page 28.

# Chinese or Celery Cabbage

A fine vegetable when cooked like cabbage but especially delicious used as a salad.

**157. NEW CHIHILI**—Early growing and sure heading, resembling Cos Lettuce, producing large, solid white heads, long and pointed at the top. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 10c, oz. 30c, ¼ lb. 80c, lb. \$2.85, prepaid.

**158. WONG BOK**—Delicious as a salad vegetable. Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until July to avoid flowering. It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine. Pkt. 10c, oz. 30c, ¼ lb. 80c, lb. \$2.85, prepaid.



**159. CHINESE CELERY CABBAGE FOR POULTRY**—A new cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows ½ inch deep and 24 inches apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

← **New Chihili**—  
Early and Sure-heading.

## Celtuce

A New Vegetable, Combining the Uses and Flavors of Celery and Lettuce

For Color Illustration See Inside Back Cover.

**190. CELTUCE**—The plants grow quickly, forming a rosette of light green leaves, which when young, may be used as lettuce or boiling "greens." In less than 90 days the stalk is ready for use. The leaves must be removed and the stalks peeled of their tough outer skin. The heart is pale green, crisp and succulent—delicious served raw like celery, or cooked. The flavor, though suggestive of celery, is different and milder. A first sowing of seed should be made as soon as the ground can be worked in spring, and successive sowings at 10-day intervals to provide a continuous supply throughout the season. Pkt. 15c, ¼ oz. 30c, ½ oz. 55c, oz. \$1.00, prepaid.

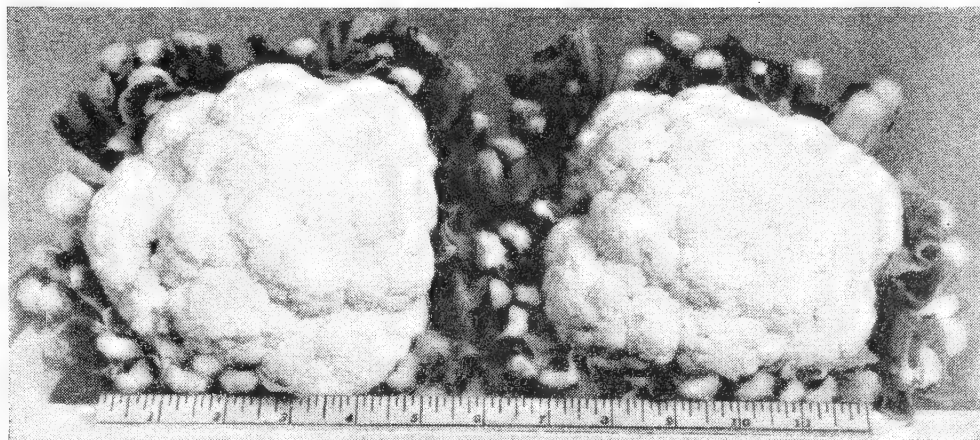
## Celeriac

Turnip Rooted Celery

This vegetable should be more generally grown.

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celeriac may be cooked and served with cream sauce, or used as a salad.

**199. LARGE ERFURT**—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 10c, oz. 20c, ¼ lb. 70c, prepaid.



# Cauliflower—White and Purple

One ounce of seed will produce 3,000 plants.

**CULTURE**—The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

**160. EARLY SNOWBALL**—(55 days.) Most widely used early variety. Plants are dwarf with short, pale green leaves. A dependable header. Although extra early, it can be planted for late fall and winter use. There is none to equal it in value for forcing under glass for a winter crop. Head: 6 to 7 inches thick, of medium size, firm, compact, solid, pure white, and of finest quality. Pkt. 20c, ¼ oz. 80c, ½ oz. \$1.50, oz. \$2.75, prepaid.

**165. DRY WEATHER OR DANISH GIANT**—(67 days.) A variety well adapted to dry weather conditions. It is later than Early Snowball and of larger growth. Heavy foliage fully protects the heads, which are less liable to blight in hot weather. Dry Weather requires less moisture than other sorts, yet quality is superb. Head: 6 to 8 inches thick, weighs 2 lbs., hard, creamy white and of delicious flavor. Pkt. 20c, ¼ oz. 80c, ½ oz. \$1.50, oz. \$2.75, prepaid.

**166. SUPER SNOWBALL**—(52 days.) This is an extra early strain of the Snowball type. Besides being extra early, the heads of "flowers" mature with greater uniformity, making it possible to harvest a large percentage of the crop in the first cutting. The plants are vigorous and strong, the leaves are well folded or curled over the heads, which are large, uniform in size, deep and solid. Pkt. 25c, ¼ oz. 90c, ½ oz. \$1.70, oz. \$3.00, prepaid.

## New Purple Cauliflower

For Color Illustration See Inside Back Cover

**168. PURPLE CAULIFLOWER**—(70 days.) Large, compact heads of a beautiful purple color, surrounded by attractively crinkled dark green leaves. Of superior flavor and excellent quality. In cooking, the purple color changes to an attractive green. The seed may be started early under glass, or sown outdoors in June. Purple Cauliflower is quick-growing and disease-resistant. Pkt. 25c, prepaid.

# Celery—Crisp and Appetizing

One ounce of seed will produce 3,000 plants.

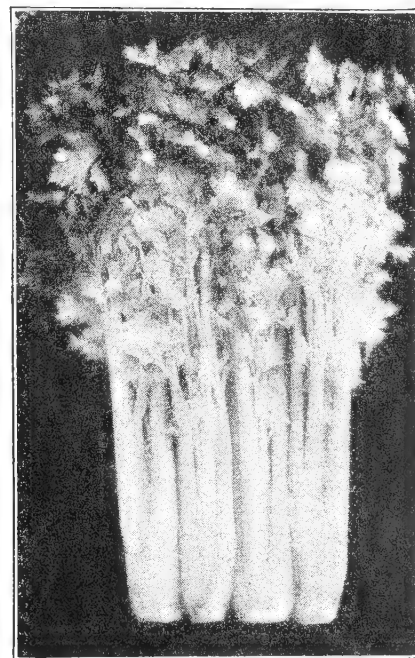
**CULTURE**—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

**195. SELECT GOLDEN SELF BLANCHING**—(118 days.) Best for early table use, and most popular for market. Bleaches as well as any yellow variety. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, lb. \$6.50, prepaid.

## An Improved Green Pascal Celery

**196. NEW UTAH GOLDEN CRISP**—A very desirable green type. The stalks are medium broad, rounded, thick and solid. The plant is stocky, full hearted and compact and blanches readily. Quality and flavor are exceptionally good. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, lb. \$6.50, prepaid.

**198. MICHIGAN GOLDEN**—(Yellows Resistant Strain.) A new strain of self-blanching Celery highly resistant to yellows or root rot. It is intermediate in type between Tall Golden and Golden Plume. It has shown unusual resistance to yellows on infested soils. Recommended by Michigan State College. Pkt. 25c, ½ oz. \$1.25, oz. \$2.35, ¼ lb. \$8.00, lb. \$30.00, prepaid.



198. Michigan Golden Celery.

# Plant Hybrid Sweet Corns for Greater Yield

One pound will plant 200 hills—12 to 15 pounds per acre.

**CULTURE**—A rich warm soil will give the best results. Work soil thoroughly before planting. Plant in hills 3 to 3½ feet apart each way, or sow in rows 3½ feet apart, placing the seed about 8 inches apart in the rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.



Golden Cross Bantam—high in quality, tender and sweet—  
an excellent canning variety.

## Hybrid Sweet Corns

**248. KANNER KING**—(85 days.) A main crop Hybrid of superb quality for market, canning or freezing. Large, uniform 8-inch ears, packed with 12-14 rows of rich yellow kernels. Very sweet, tender and of excellent flavor.

*Illustrated in Color on Page 2.*

**MINHYBRID 202**—Five days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium, large, yellow. All ears mature uniformly. Prices below.

**MINHYBRID 203**—Eight days earlier than normal Golden Bantam. Absolutely no other corn so sweet and tender. A real gold mine for the market grower who specializes in quality. Ears: 6 to 6½ inches long, 8-rowed, yellow, maturing evenly. Plant: somewhat shorter and yield is better than that of normal Bantam. Prices below.

**244. GOLDEN CROSS BANTAM**—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

**246. IOWANA**—All-America Winner. A midseason 12 to 14-rowed light yellow hybrid sweet corn developed at the Iowa State College. Similar to Bantam Evergreen. Vigorous, resistant to lodging and wilt, and withstands heat and drouth. The uniform cylindrical ears are 8 inches long with deep kernels of finest flavor. Valuable for home garden and canning. Prices below.

**247. MARCROSS C6.13**—(72 days.) One of the earliest hybrids. Developed by the Connecticut Experiment Station as a first early market and home-garden variety. Stalks are only 5 feet tall, but sturdy; highly resistant to Stewart's disease. Ears: 7 inches long, plump, abruptly tapered at tips; 10 to 14-rowed, with light cream-yellow, medium broad kernels of good quality. Prices below.

### PRICE OF ALL HYBRID SWEET CORN

Your choice of any Hybrid variety listed above. Pkt. 12c, ½ lb. 30c, lb. 55c, 2 lbs. \$1.00, 5 lbs. \$2.40, prepaid.—Not prepaid, 15 lbs. and over at 43c per lb.

## Standard Early Strains Open Pollinated Sweet Corn

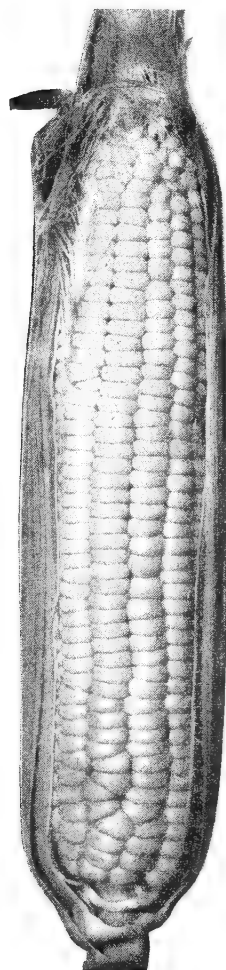
**223. EARLY SUNSHINE**—(66 days.) Another noteworthy development of the North Dakota Experiment Station. An early yellow variety, with a larger ear, and about 5 days ahead of Golden Bantam. Highly prized by market growers and excellent for home garden. Flavor, tenderness and quality are superb. Ear: 7 inches long; 10-14 rowed, kernels golden yellow, sweet, tender and of good flavor. Stalk: 5½ feet high. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.

**226. GOLDEN BANTAM**—(79 days.) To most home gardeners, sweet corn means Golden Bantam. Also desirable for trucking and canning. It is medium early, dependable and of wonderful quality. Ear: 6½ inches long, 8-rowed. Kernels broad with tender hull, sweet and of exceptionally fine flavor. Stalk: 5 to 5½ feet high. Pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.60, prepaid.—Not prepaid, 15 lbs. at 26c per lb.

**227. GOLDEN EARLY MARKET**—(67 days.) Also known as Golden Hammer. One of the finest extra early yellow varieties for market. Ears have strong husks, 8 to 12-rowed and 6½ inches long. Kernels are golden yellow, tender, sweet and of good flavor. Stalk: 5 feet. Very heavy yielding for such an early sort. Fine for home gardens also. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.

**228. EXTRA EARLY GOLDEN GEM**—(60 days.) Originated by the North Dakota Agricultural College. Now the long-looked-for time when luscious corn on the cob may be enjoyed has been advanced 10 to 12 days, for Golden Gem is ready that much earlier than its grandparent, Golden Bantam. It is proving a gold mine to market gardeners in reaching the earliest market. Ear: 6 inches long, 8-rowed; kernels deep yellow, tender, exceptionally sweet and of good flavor. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.

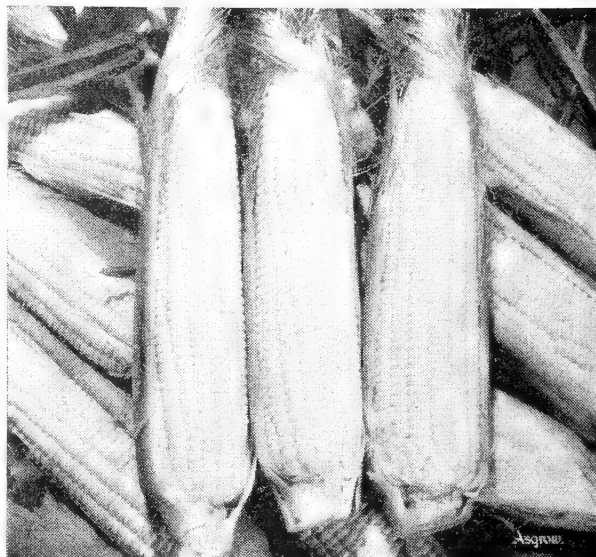
**245. EARLY GOLDEN SWEET**—(67 days.) To develop an extra early variety with the quality of Bantam, has taken many years. Early Golden Sweet proved to be the best of many tested. Ear: 6½ inches long, 12-rowed. It gives you Bantam quality—almost two weeks earlier. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.



The golden yellow kernels of Early Sunshine are sweet and tender.

## Summer-Long Hybrid Blend

**NO. 222.** Hybrid Sweet Corn matures very evenly—making a short picking season. To overcome this we offer a special mixture of the hybrids described above. Plant a patch to this superb mixture **all at one time**, it will supply you with sugary sweet corn maturing continuously in 65 to 90 days. Prices same as above.



Iowana Hybrid is highly resistant to drouth and wilt.



# Lengthen Your Sweet Corn Picking Season— By Planting The Late Varieties

**234. OREGON EVERGREEN**—(87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7½ to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7½ feet. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.

## Treat All Your Seed Corn

### With BARBAK

#### The Super Corn Seed DISINFECTANT

Four ounces is sufficient to treat two bushels of corn. Increases germination and stand, and insures vigorous seedlings.

Costs less than 2c per acre.

Price: 1½-oz. packet (enough for 1 bu. seed) 15c, prepaid.—Not prepaid, 1-lb. tin (60-acre size) 75c, 5-lb. tin \$3.00.

We offer treated Sweet Corn in 10-lb. lots and over at 2c per lb. extra.

## Save Your Corn Crop—Use MASTER EAR WORM DUST

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the corn ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until two or three applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.

## Food Preservation Guide

NOW it's doubly important to "put up" foods at home.

This Guide gives detailed instructions in the following 5 Home Food Preservation Methods:

- 1—CANNING (By every method)
- 2—QUICK FREEZING
- 3—DEHYDRATING
- 4—BRINING (Dry salt & brine methods)
- 5—STORING VEGETABLES (In cellars, pits & boxes for winter use)

Instructions are simple and easy to follow. Prepared by Home Economics Institute.

47 Pages  
Many Illustrations

10<sup>c</sup>  
ppd.

**242. STOWELL'S EVERGREEN**—(90 days.) The most popular late variety of sweet corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.

## 243. COUNTRY GENTLEMAN

—(93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7¼ inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7½ feet high, often bearing two ears. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 28c per lb.



Oregon Evergreen is a delicious late white Sweet Corn.

## Sweet Corn All Summer

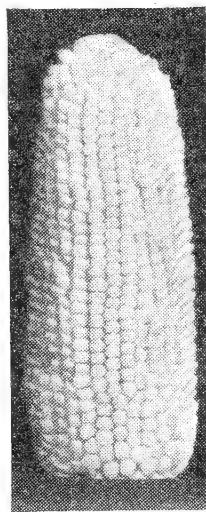
### Collection No. 200 (Standard Sorts)

Planted at one time, these will supply your table all summer:

Early Golden Gem—Extra Early.	
Golden Bantam—Medium Early.	
Stowell's Evergreen—Late, White.	
1 pkt of each (3 pkts.)	26c
½ lb. of each (1½ lbs.)	60c
1 lb. of each (3 lbs.)	\$1.00

Ppd.

# Pop Corn is a Profitable Crop



Hybrid Hulless  
Pop Corn

**CULTURE**—Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1½ feet apart in the rows. We have discarded all but the outstanding varieties. Such old-timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.

**250. NEW HYBRID HULLESS**—The last word in Pop Corn. Developed by the Minnesota Experiment Station, it far surpasses the old Jap. Hulless—records show a 16% greater yield per acre, and a 29% greater popping expansion. Hybrid Hulless is the finest Pop Corn obtainable from the standpoint of quality, flavor and tenderness. Pkt. 10c, ¼ lb. 18c, ½ lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.15, prepaid.

**251. VICTORY HULLESS WHITE**—This dwarf corn is used extensively by pop corn vendors. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Victory Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. Pkt. 8c, ¼ lb. 15c, ½ lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.

**252. "FARIGOLD" SOUTH AMERICAN YELLOW**—Pops the largest kernels of any variety, crisp and tender, fine-flavored, of a rich golden butter color. Produces more bushels to the acre, as the ears are large, averaging 7 to 9 inches in length. Though of South American origin, we have matured our own seed crop here in Minnesota, so that the seed we offer will mature earlier. Northern Strain: Pkt. 8c, ¼ lb. 15c, ½ lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.

## Eat More Pop Corn!

(This corn is for popping only—it is not suitable for seed)

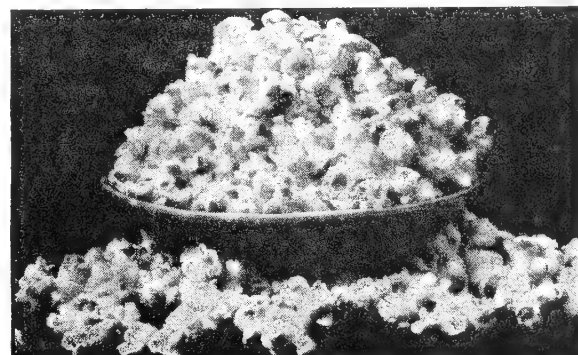
### NEW HYBRID HULLESS

5 lbs.	\$ .75
10 lbs.	1.45 Not ppd.

### FARIGOLD SO. AMERICAN YELLOW

5 lbs.	\$ .70
10 lbs.	1.35 Not ppd.

Postage to 3rd zone 17c on 5 lbs.  
27c on 10 lbs.



"Farigold" Pop Corn has large, buttery kernels of delicious flavor.

Enjoy Sweet Corn late in the season as well as early. Country Gentleman is an excellent choice.

# Cucumbers

One ounce will plant 50 hills;  
three pounds for an acre.

**CULTURE**—Cucumbers require warm rich soil. When all danger of frost is past, plant in low flat hills, 4 to 6 feet apart each way. Scatter 10 to 12 seeds in a one foot circle in each hill and cover one-half inch. If the soil is naturally poor, work a forkful of decayed manure into each hill before planting. When plants are about 5 inches tall, thin out, leaving the five strongest to each hill. Keep the soil cultivated as long as it can be done without injuring the spreading vines. Kill Squash Bugs and Cucumber Beetles with Pyrocide Dust, see Price Below.

**NOTE:** Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

## For Pickling

**255. F. S. & N. CO'S EARLIEST PICKLING**—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 6 inches long, 2 1/2 inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. Pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.

**257. CHICAGO PICKLING**—(59 days.) B. S. (Westerfield Pickling.) Most widely used of the pickling varieties. Also good for slicing. Fruit: 6 1/2 inches long, 2 1/2 inches thick, medium green, square ended, attractive and prolific. Pkt. 10c, oz. 20c, 1/4 lb. 55c, lb. \$2.00, prepaid.

**261. EVERBEARING**—(55 days.) B. S. A small, very early variety used for early pickles. Its outstanding feature is that the vines continue to bear throughout the growing season. Fruit: 4 1/2 inches long, 2 inches thick; weight 1 1/4 lbs., chunky. Pkt. 10c, oz. 20c, 1/4 lb. 55c, lb. \$2.00, prepaid.

### See New Kerr HOME CANNING BOOK "Pickles for Every Taste"

This book contains more than 300 tested recipes, the latest canning methods with simple easy-to-follow directions.

See Page 18 on how you can get the Kerr Canning Book free. Price 10c

## All-Season Cucumber Collection

One } Earliest Pickling  
Pkt. } Straight Eight  
Each } Longfellow

25¢  
ppd.

## Large and Small to Fill Your Jars with Crisp Dill, Appetizing Chunk and Sweet Pickles



## For Slicing and Salads

**256. STRAIGHT EIGHT**—All-America Gold Medal Winner. (66 days.) The most desirable slicing cucumber you can plant. The straight symmetrical fruits grow about 8 inches long and about 1 1/2 inches in diameter. A very convenient size and shape. The color is a rich, deep green. Pkt. 10c, oz. 25c, 1/4 lb. 85c, lb. \$3.00, prepaid.

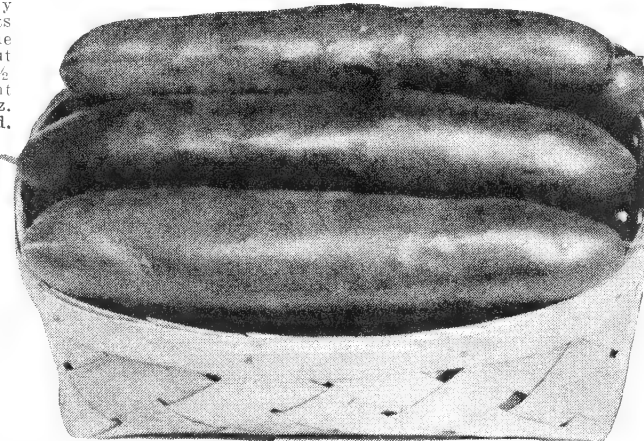
**259. NEW "A & C" or COLORADO**—W. S. (60 days.) A long, slender cucumber of excellent shape and intense dark green color. The fruits are 8 to 9 inches long and average 2 inches in diameter; they hold their color longer than any other type. Seeds form late in the season and are few. Pkt. 10c, oz. 25c, 1/4 lb. 85c, lb. \$3.00, prepaid.

**260. IMPROVED LONG GREEN**—(70 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.50, prepaid.

**270. DAVIS PERFECT**—(65 days.) W. S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2 1/2 inches thick, weight 2 lbs.; dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.50, prepaid.

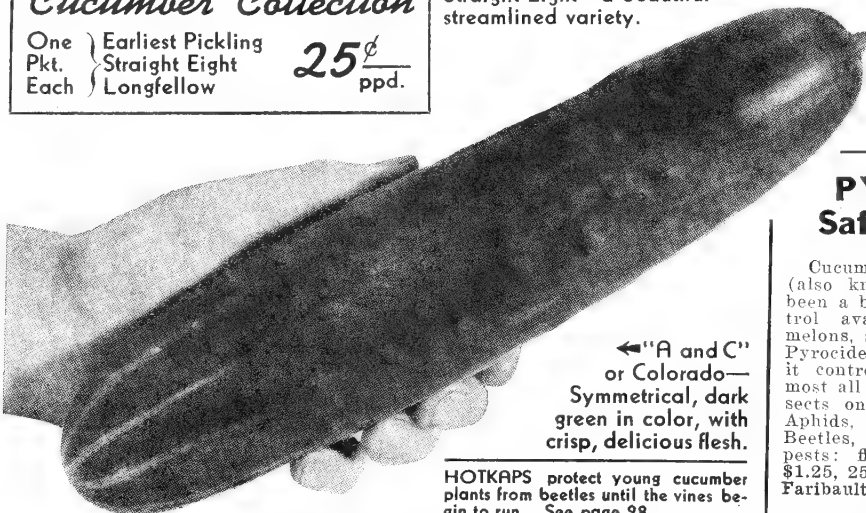
**272. THE LONGFELLOW**—(70 days.) W. S. (Vaughan.) Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2 3/4 inches thick; weight 2 3/4 lbs., dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 10c, oz. 25c, 1/4 lb. 85c, lb. \$3.00, prepaid.

**278. TAXPAYER**—(Early.) W. S. This striking cucumber is uniformly 9 inches in length, with tapering ends and of an intense dark green color. Produces cucumbers over a long period of time, and many of them. Developed from Early Fortune which was the best seller of all White Spines because of its extreme earliness, and abundant yields. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.50, prepaid.



Straight Eight—a beautiful streamlined variety.

For Dill  
see  
Page 26



←"A and C"  
or Colorado—  
Symmetrical, dark  
green in color, with  
crisp, delicious flesh.

**HOTKAPS** protect young cucumber plants from beetles until the vines begin to run. See page 28.

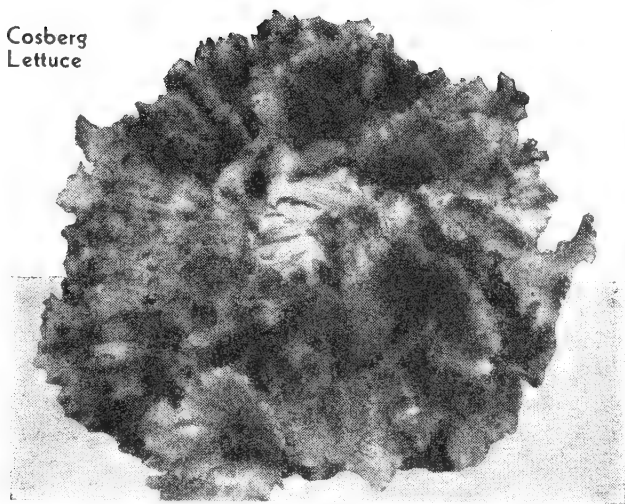
## PYROCIDE DUST—A Quick, Sure, Safe Control For Cucumber Beetles

Cucumber Beetles and Squash Bugs (also known as stink bugs), have long been a big problem with no effective control available. Now you can protect melons, squash and cukes with non-poison Pyrocide, a new type dust, so powerful it controls these hard-to-kill pests, and most all types of sucking and chewing insects on fruits and vegetables including Aphids, Cabbage Worms, Mexican Bean Beetles, Leaf Hoppers, as well as house pests: flies, ants, roaches, etc. 5 lbs. \$1.25, 25 lbs. \$4.25, 100 lbs. \$16.00, f.o.b. Faribault.

**NON-POISONOUS  
PYROCIDE  
DUST**  
HIGH IN KILLING POWER  
UNIFORM

1 LB. POSTPAID **40c**

Cosberg  
Lettuce



If you have found it hard to grow Head Lettuce try  
Cosberg, the new sure-heading variety.

## Head Lettuce

**CULTURE**—For early crops start seed in March in the hotbed, covering  $\frac{1}{4}$  inch. When seedlings are 2 inches tall, transplant to coldframes, setting them 4 inches apart each way. When the ground is warm enough transplant to garden, setting plants 1 foot apart, in rows 12 to 16 inches apart. For general crop, make successive sowings during April and May, thinning plants to proper distance apart. For a fall crop, sow seed in August, to head during the cool weather of September and October.

**331. GREAT LAKES**—All-America Bronze Medal Winner for 1944. This new lettuce is distinguished for its resistance to tipburn, its ability to produce solid heads under adverse conditions and its slowness to throw up seed stalks. Developed by the Michigan Agri. Exp. Sta. and the U. S. Dept. of Agri., it has been grown in the Great Lakes region for two seasons, and is well adapted as a summer lettuce for the Northwest. Of the Imperial type, with large, thick leaves folding well over the head. Pkt. 25c. Seed very scarce.

**333. COSBERG**—This is a sure-heading lettuce, especially adapted to growing conditions in the Midwest. The heads are small, compact and firm; leaves are light green and attractively curled. Cosberg heads early and under adverse conditions, when standard varieties fail. If you have had difficulty in growing head lettuce, try this one. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, prepaid.

**335. CRISP-AS-ICE**—B. S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanched and of delicate flavor. Leaves thick and crumpled; deep green overlaid with dark brown, giving a bronze appearance. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.85, prepaid.

**338. WONDERFUL, NEW YORK OR LOS ANGELES**—W. S. (80 days.) The outstanding shipping variety, known in all markets. Flavor and tenderness are combined with unusual keeping qualities. Our special strain is noted for the large size of heads. The dark green leaves are slightly curled on the edges. The large, tightly folded cabbage-like head is well blanched, crisp and sweet. Quality is excellent. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.85, prepaid.

**339. NEW IMPERIAL NO. 44**—W. S. (83 days.) Heads very large, solid, crisp and sweet; leaves light green and crumpled, with edges curled and waved. Imperial does well under varying weather conditions, and is somewhat resistant to brown blight and mildew. An excellent shipper. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$3.10, prepaid.

# Grow Plenty of Lettuce for Delicious Healthful Salads

One ounce will sow 150 feet of row; four pounds plant an acre.

NOTE: The letters B. S. and W. S. refer to the black seeded and white seeded varieties.

## Tender Leaf Lettuce

**CULTURE**—Sow as early in spring as the ground can be worked, in rows 12 inches apart; cover seed  $\frac{1}{4}$  inch. A rich, sandy loam is best. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. For early crop, start in hotbed in early March, later transplanting the seedlings to coldframes, or to a sheltered position in the garden. If lettuce is cut above the crown, it will grow new leaves.

**324. OAK LEAF**—(40 days.) Shaped like an oak leaf, deep green in color and therefore exceptionally rich in vitamins, tender and of superior flavor. Oak Leaf stands up well in hot weather and does not turn bitter. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.75, prepaid.

See Color Illustration of Oakleaf Lettuce on Inside Back Cover.

**325. GRAND RAPIDS**—B. S. One of the most popular loose-leafed varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.85, prepaid.

**326. BLACK SEEDED SIMPSON**—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.85, prepaid.

**327. SIMPSON'S EARLY CURLED**—W. S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.85, prepaid.

**329. PRIZEHEAD**—W. S. A very early, quick growing, non-heading sort which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.85, prepaid.



This is  
Cos Lettuce,  
Grow it for midsummer and early fall use.

## Romaine or Cos For the Salad Bowl

**330. WHITE PARIS**—W. S. (70 days.) Considered the finest of all lettuces in flavor. Famous chefs prefer it for salad because of its tenderness and delicious flavor. Self-folding, with dark green leaves forming oval-shaped heads with greenish-white interior. The entire plant is tender and palatable. Cos Lettuce is easy to grow, slow to bolt to seed during hot weather and does not require much space in the garden as it is upright-growing. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.35, prepaid.

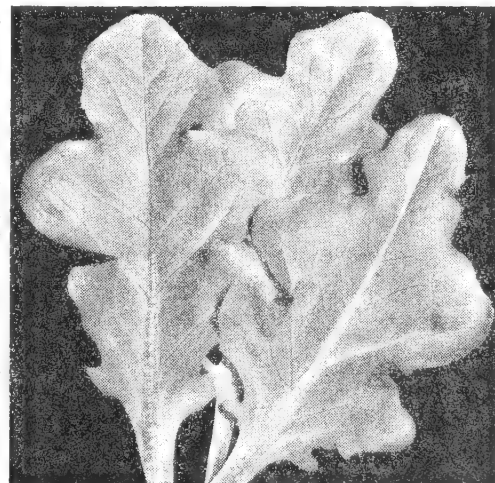
## Mixed Lettuce for the Small Garden

**340. MIXED LETTUCE SEED**—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50, prepaid.

## Chicken Lettuce

**341. CHICKEN LETTUCE**—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50, prepaid.

For Other Poultry Feed see Also  
Mangels on Page 6.  
Chinese Celery Cabbage on Page 9.



The Tender Dark Green Leaves of Oak Leaf Lettuce are Excellent for Salads!

As a salad lettuce, Romaine or Cos has no superior—the leaves are dark green, sweet and succulent.

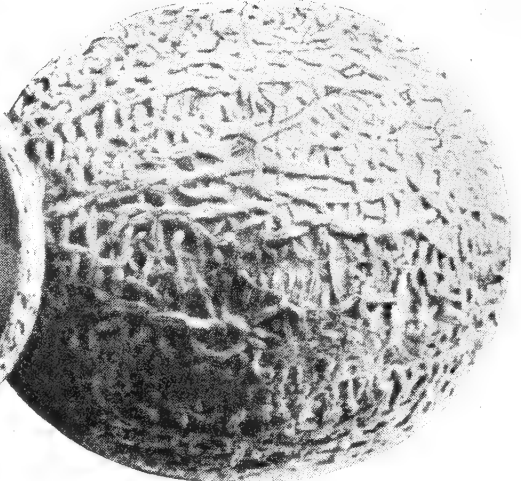
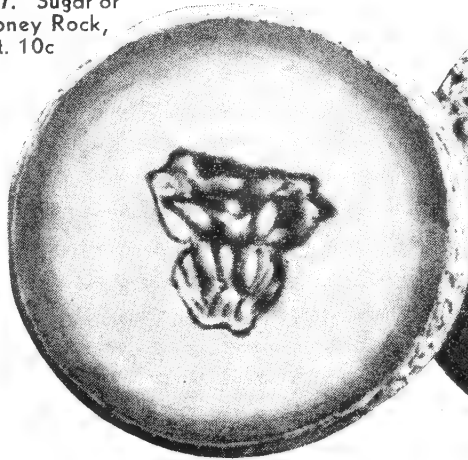


# Muskmelons — Fresh from the Vine!

One ounce will plant 60 hills.  
Two to three pounds per acre.

**CULTURE**—Muskmelons require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture.

357. Sugar or Honey Rock,  
Pkt. 10c



**357. SUGAR OR HONEY ROCK**—85 days. A money-maker and a source of pride for every grower. Handsome in appearance, distinctive in flavor. Sweet as sugar, solid as a rock and easy to grow. Fruit: nearly round, about 6 inches in diameter. Weight: 4 lbs. Skin: grey-green, covered with coarse netting. Flesh: thick, juicy, orange color, with fine flavor. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.50, prepaid.

**360. OSAGE OR MILLER'S CREAM**—92 days. A popular favorite for home or market and a good yielder. Fruits are oval with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with thick, firm, pink flesh of spicy flavor. A good shipper. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.



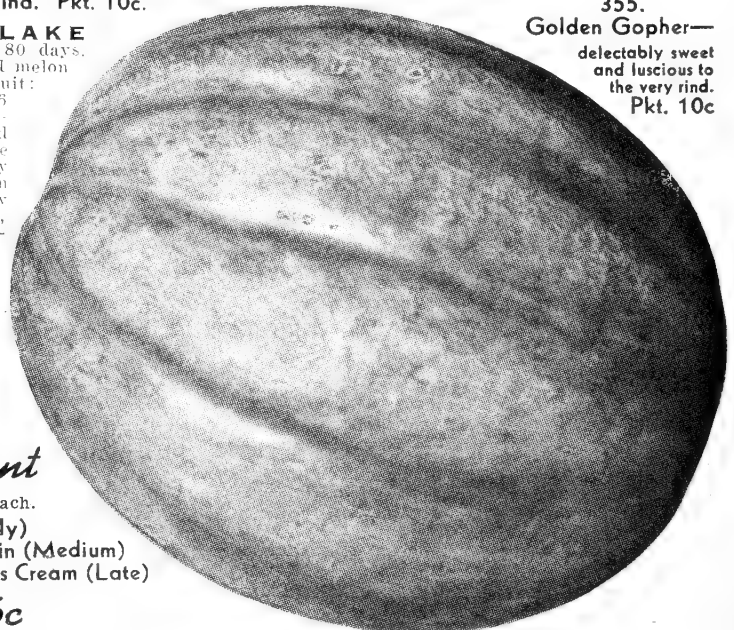
**362. MILWAUKEE MARKET**—87 days. This is a large melon, averaging 8 inches in diameter. The seed cavity is small and the thick salmon flesh is fine textured with a sweet delicious flavor. Almost round in shape, heavily netted with prominent ribs: uniform in size and quality. A wonderful melon for the home garden. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**364. HEARTS OF GOLD**—95 days. Grown extensively by market gardeners. A good shipping type. Follows the earlier varieties. Quality is splendid. Fruit: 6 inches thick, practically round, covered with fine netting. Flesh: very thick, deep pink, tender, juicy and sweet. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

## Green Fleshed Melon

**350. MINNESOTA MELTING SUGAR**—86 days. The sweetest richest flavored of all green-fleshed muskmelons. Fruit: oval in form, distinctly ribbed and heavily netted. Flesh: very firm, of green color, exceptionally sweet, sugary, juicy and tender, with rich aromatic flavor. Pkt. 10c, oz. 25c, ¼ lb. 65c, lb. \$2.25, prepaid.

**355. Golden Gopher—**  
delectably sweet  
and luscious to  
the very rind.  
Pkt. 10c



**359. EARLY LAKE CHAMPLAIN**—75 to 80 days. The earliest orange fleshed melon. Fine flavor and quality. Fruit: nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with moderately coarse netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 10c, oz. 25c, ¼ lb. 65c, lb. \$2.25, prepaid.

## All Season Melon Assortment

One Packet Each.  
Hale's Best (Early)  
Pride of Wisconsin (Medium)  
Osage or Miller's Cream (Late)

26c

**360. Osage or Miller's Cream**  
has a wonder-  
ful flavor.  
Pkt. 10c



Muskmelons should be left to ripen on the vine, until they come off easily when given a slight pull or twist.



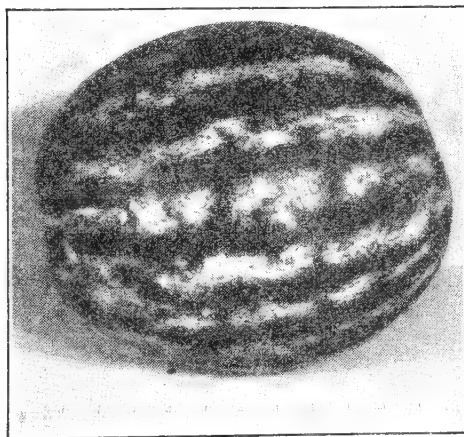
**375. Dixie Queen.**  
An early melon of excellent quality. Pkt. 8c.

### Home Garden Watermelon Collection

ONE	Early Kansas	
PKT.	Will Rogers	
EACH	Klondyke Sugar	<b>25c</b>
One ounce of each for 40c prepaid.		

**370. COLE'S EARLY**—(75 to 80 days.) A leading first early variety for home garden and truckers to local markets; reasonably productive, and particularly desirable for the Northwest as it matures in a short season. Fruit: weight 20 lbs., medium size, short, oval, with alternate light and dark green stripes; tender rind. Flesh: pink-red, of good flavor; seeds black. Pkt. 8c, oz. 15c, ¼ lb. 35c, ½ lb. 55c, lb. \$1.00, prepaid.

**371. EARLY ROUND LIGHT ICING**—(85 days.) A very productive mid-season melon of excellent quality. Adapted to home or market gardens in the Northwest. Fruit: weight 20 lbs., oval round, very uniform, light green, with indistinct veining of darker green. Rind thin and tender. Flesh: light red, of excellent quality; seeds white. Pkt. 8c, oz. 15c, ¼ lb. 35c, ½ lb. 55c, lb. \$1.00, prepaid.



**369. Early Kansas** has rich red flesh, a thin rind and very solid center. Pkt. 10c.

**369. EARLY KANSAS**—(Also known as Red Russian or Red Seeded Hutchinson.) (85 days.) A new melon of genuine merit. It has suddenly become very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. Pkt. 10c, oz. 15c, ¼ lb. 35c, ½ lb. 60c, lb. \$1.10, prepaid.

# Klondyke Sugar Watermelon

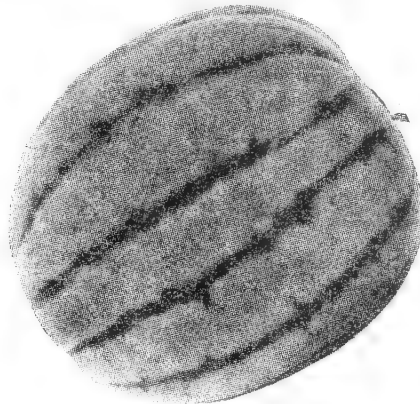
## New Wilt-Resistant Strain

Four ounces will plant 100 hills; sow 3 to 4 pounds per acre.

**Culture**—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the three strongest plants in each hill.

**Note**—A Ripe Watermelon has a somewhat velvety surface, and a dull rather than a bright appearance. The underside hardens and turns yellow, and the tendril nearest the fruit turns black and shrivels.

**375. DIXIE QUEEN**—(85 days.) A new early melon of excellent quality. It is semi-round, with a thin tough rind and stands shipping. The color is light green alternately striped with dark green. Weight about 32 pounds. The flesh is bright red, crisp and sweet, and the few seeds are small and white. Pkt. 8c, oz. 15c, ¼ lb. 35c, ½ lb. 65c, lb. \$1.20, prepaid.



**374. Early Northern Sweet.** Ripens in 9 to 10 Weeks!

**374. EARLY NORTHERN SWEET**—Here's the newest thing in watermelons for the North. Introduced by Minn. Experiment Station, and the seed was originally brought in from Russia. This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 9 to 10 lbs. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 10c, oz. 15c, ¼ lb. 40c, prepaid.

### One of the Sweetest Melons

**372. PRIDE OF MUSCATINE**—(85 days.) A high quality wilt resistant melon for the home garden. Not suited to shipping because of its rather thin skin. Large, long, cylindrical fruits, weighing 30 to 40 lbs., of a rich, glossy, dark green color. The crisp, scarlet flesh is very sweet, and entirely free from fiber. Pkt. 10c, oz. 15c, ¼ lb. 40c, ½ lb. 70c, lb. \$1.30, prepaid.

**382. WINTER MELON**—(78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 8c, oz. 15c, ¼ lb. 35c, ½ lb. 55c, lb. \$1.00, prepaid.

**383. KLECKLEY'S SWEET**—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh is bright red, tender and extremely sweet. Seeds white. Pkt. 8c, oz. 15c, ¼ lb. 35c, ½ lb. 55c, lb. \$1.00, prepaid.

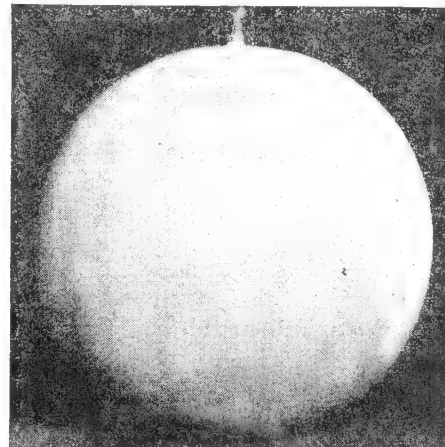


**387. Klondyke Sugar.** Popular because of its sweetness and delicious flavor. Pkt. 10c.

**387. KLONDYKE SUGAR**—A Wilt Resistant Melon—(90 days.) For edible quantities and attractive appearance Klondyke is surpassed by no other melon. Solid dark green in color, with slight ribs running lengthwise. The rind is thick enough to stand shipping. Weight 25 pounds. The flesh is scarlet to the rind. A truly delicious melon, high in sugar content. Pkt. 10c, oz. 15c, ¼ lb. 40c, ½ lb. 65c, lb. \$1.20, prepaid.

**384. WILL ROGERS**—(88 days.) Another new early melon of the Stone Mountain type, often growing to enormous size. Average size 14 by 12 inches; weight 35 lbs. Shaped like Stone Mountain, with white seeds tipped black. Skin is dark green, and flesh is bright red—of good quality. Pkt. 10c, oz. 15c, ¼ lb. 35c, ½ lb. 60c, lb. \$1.10, prepaid.

**390. CITRON**—For making preserves. Flesh: clear white and solid. Fruit: round and smooth, quite small. Pkt. 10c, oz. 15c, ¼ lb. 35c, ½ lb. 55c, lb. \$1.00, prepaid.



**382. Winter Melon**—A long-keeping melon that you can enjoy for your Thanksgiving dinner.

# Leek

## A Species of Onion

Though belonging to the onion family, the flavor is milder and subtly different when used in soups and stews.

For white tender Leeks, transplant when six inches tall to shallow trenches setting plants 3 inches deep and gradually let the soil fill in. In fall, ridge the soil about the plants so as to blanch the stems.

**312. LONDON FLAG**—Stems 8 to 10 inches long, 1½ inches thick, white and attractive. Pkt. 15c, ½ oz. 60c, 1 oz. \$1.00, prepaid.

# Mustard

Used for Greens Same as Spinach

**315. FORDHOOK FANCY**—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 8c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

## Grow Your Own

FREE  
LEAFLET

## Mushrooms

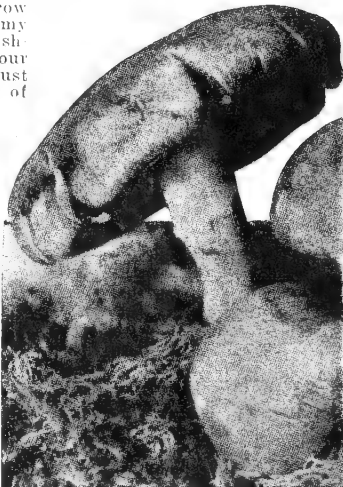
"How to Grow Mushrooms" with every order

You can grow a crop of creamy delicious mushrooms in your own lawn. Just plant cubes of mushroom spawn beneath the sod in spring and after a warm rain the mushrooms will appear.

Pure Brick  
Spawn  
40c each,  
ppd.

Not Prepaid  
5 bricks  
\$1.65

10 Bricks  
\$2.75



## Okra or Gumbo for Delicious Soups

Okra pods are used in soups, stews, salads, catsup and relishes, and are very popular in the South. The pods should be gathered each day, while they are tender and pulpy. They are at their best when from one to three inches long. Okra is a hot weather plant and the seed should not be sown until late May when the ground is thoroughly warm.

**217. DWARF GREEN**—Grows low, is very productive. Pkt. 10c, oz. 20c, ¼ lb. 50c, prepaid.

# Order Onion Sets & Plants Early



F. S. & N. Co.'s White Bottom Sets  
One pound for 25 feet of row; 12 bu. per acre  
(32 pounds equal 1 bushel)

Shipment after March 15, prepaid to third zone only (300 miles). Add 5c lb. extra postage for shipments beyond.

Onion sets should be planted as early in spring as the ground can be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively made late into the summer, as long as the sets remain in good condition.

**YELLOW BOTTOM SETS**—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

**RED BOTTOM SETS**—Very short crop. Price same as yellow sets. We reserve right to substitute if sold out.

**WHITE BOTTOM SETS**—Very short crop. We reserve the right to substitute if sold out. Price: Lb. 40c, 2 lbs. 70c, 4 lbs. \$1.30, prepaid.—Not prepaid, pk. \$2.25.

**YELLOW MULTIPLIERS**—Flavor much superior to ordinary onions. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

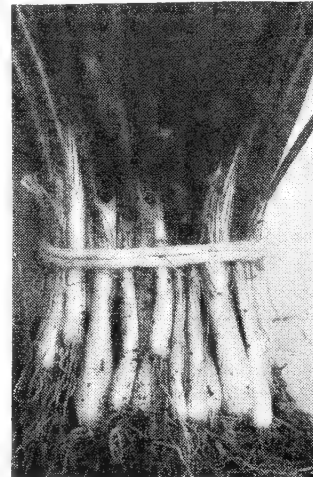
**EBENEZER OR VICTORY ONION SETS**—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Ebenezer sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

## Bermuda Onion Plants

Started in Texas from the finest strains of onion seed, the plants are lifted and shipped to be replanted in northern gardens. They will produce mild-flavored young green onions in the shortest possible time, or allowed to develop, will quickly grow to creaming or slicing size. Plant in rows 16 inches apart.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prize-taker and Valencia, but in case of shortage we reserve the right to substitute.

Orders will be shipped at proper time for setting out. We prepay to third zone only (300 miles). Beyond that, at customer's risk. 40,000 plants are required to plant an acre. Yields of 50-75 bu. from 6,000 plants are reported. All orders booked subject to crop.



Price Prepaid  
to 3rd zone

2 Bundles  
65c  
5 Bundles  
\$1.40  
10 Bundles  
\$2.70

Not Prepaid  
Per Case of  
60 Bundles  
WRITE FOR  
PRICE

Weight of  
Case 35 lbs.  
Bundles Con-  
tain 75 to  
100 Plants

Onion Plants not available after May 1st

## Garlic Sets

Used for flavoring stews, soups, meats, dressings and sauces. Garlic is a perennial, a member of the onion family, but of much stronger flavor. The bulb separates beneath a thin, papery skin into divisions or "cloves." These cloves are planted in rows 12 to 18 inches apart and 4 to 6 inches apart in the row and covered with an inch or two of soil. When the tops have died, the bulbs are pulled, braided together by their tops and hung in a dry, airy place to cure. ½ lb. 35c, lb. 60c, 5 lbs. \$2.75, prepaid.—Not prepaid, 10 lbs. \$4.50.



For Chives Plants see Page 27



## FOR GARDENS, LAWNS SHRUBS—PLANTS—TREES

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30 x 40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.



## NEW VICTORY GARDEN FERTILIZER

Makes things grow—prepared especially for food production, according to the Department of Agriculture recommendations. Full instructions for use with each package. Price: 5-lb. pkg. 50c, 10 lbs. 80c, 25 lbs. \$1.40, 50 lbs. \$2.25, 100 lbs. \$3.50, f. o. b. Faribault.



# Dependable Onion Seed

One ounce will sow 100 feet of drill; 5 pounds per acre.

**CULTURE**—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering  $\frac{1}{2}$  inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

## Long-Keeping Winter Onions

**395. SOUTHPORT RED GLOBE**—113 days. The finest of the red onions. Bulbs perfectly round, of good size, with small neck and thick, deep purplish red skin; flesh white, ringed with pink; a wonderful keeper and a heavy yielder. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, lb. \$7.25, prepaid.

**396. EXTRA EARLY YELLOW GLOBE**—98 days. A money-maker for the early market. Ten days earlier than Southport Yellow Globe, and an exceptionally good keeper for so early a variety. Bulbs semi-globe shape, solid, uniform and attractive, with deep yellow color. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, lb. \$7.25, prepaid.

**397. MINNESOTA SOUTHPORT YELLOW GLOBE**—112 days. A handsome, golden yellow globe, with tough, clinging skins. Flesh white, with creamy tone. Will keep in storage longer than any other. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, lb. \$7.25, prepaid.

**402. EBENEZER**—100 days. An excellent variety for producing sets of exceptional keeping quality. Bulbs deep-flat, of medium size; dark yellow, very firm with thick skins. The sets when planted make an early maturing, good keeping onion for market. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, lb. \$6.25, prepaid.

**403. LARGE RED WETHERSFIELD**—100 days. Used extensively for sets and for storage. Bulbs medium large, flat on the bottom, with sloping top. Skin deep purplish-red; flesh white, slightly flushed with pink, fine-grained and firm. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, lb. \$7.25, prepaid.

**404. BRIGHAM YELLOW GLOBE**—110 days. Highly productive, with exceptional keeping qualities. Bulbs globular with rounded bottom; a deeper blockier type than Yellow Globe Danvers; solid, well covered with tight-fitting thick skins. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, lb. \$7.25, prepaid.

**407. YELLOW GLOBE DANVERS**—110 days. A popular strain of Yellow Globe. Hardy and a good cropper; used largely for storage. Bulbs medium large, round, yellow, firm, with small neck. Flesh white, with slight yellow tone. Pkt. 10c, oz. 45c,  $\frac{1}{4}$  lb. \$1.65, lb. \$6.45, prepaid.

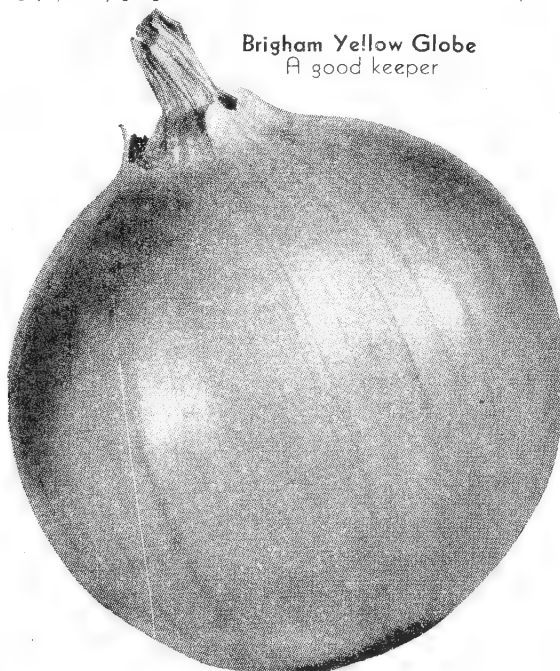
**NOTE**—There is a Serious Shortage of Onion Seed and we advise you to **ORDER EARLY!**

## Large Mild Onions for Slicing

**398. MINNESOTA SOUTHPORT WHITE GLOBE**—110 days. A very attractive pure white onion. Bulbs round, solid, medium sized, with thin delicate skin. Flesh waxy white, fine grained and mild. Keeps well in fall storage. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.10, lb. \$8.00, prepaid.

**405. WHITE BERMUDA OR CRYSTAL WAX**—90 days. Both skin and flesh clear white; of mild delicate flavor. Bulbs very flat; medium sized. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, prepaid.

Brigham Yellow Globe  
A good keeper



**412. SWEET SPANISH OR VALENCIA**—110 days. A mild, sweet, giant onion, of the true Spanish or Bermuda type. Bulbs globular with small neck, pure white, firm and delicious at all stages of growth. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.10, lb. \$8.00, prepaid. (See front cover.)

**414. MIXED ONION SEED**—Will furnish a supply of onions all summer and for winter storage, as it contains a mixture of all varieties. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.75, prepaid.

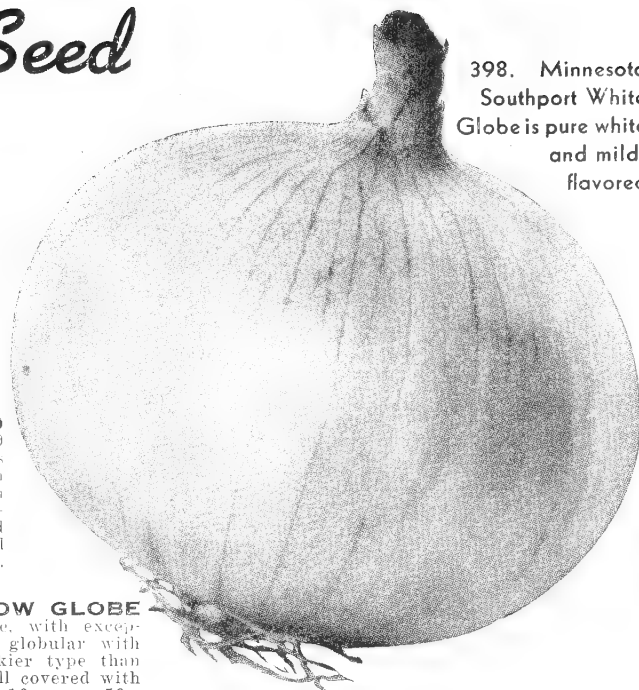
## Onions for Pickling and Bunching

**409. CHINESE EVERGREEN WHITE BUNCHING**—(Perennial.) A bulbless bunching variety, grown for its long, slender, pure white stems. Tender and of delicate flavor, the onions are produced in clusters of four to nine, and are double the size of ordinary bunching onions. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00, prepaid.

**411. WHITE PORTUGAL OR SILVER SKIN**—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.85, prepaid.

**415. EARLY WHITE BUNCHING ONION**—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for the early market. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00, prepaid.

398. Minnesota Southport White Globe is pure white and mild-flavored



## SEMESAN Helps You Grow BIGGER AND BETTER VEGETABLES

By simply placing your garden seeds (any quantity up to 1 lb. at a time) in a Mason jar together with  $\frac{1}{4}$  to  $\frac{1}{2}$  teaspoon of SEMESAN, and shaking for three minutes any time before planting, you can grow the biggest crop of fine quality vegetables or large colorful flowers that you ever saw! SEMESAN prevents "damping-off" and seed decay, controls all seed-borne plant diseases and assures you of getting a much better stand. Circular free. Price:  $\frac{1}{3}$ -oz. pkt. 10c, 2-oz. can 40c, prepaid.—Not prepaid 1 lb. \$2.50, 5 lbs. \$11.40.



409. Chinese Evergreen

## NO ROOT MAGGOTS To Destroy Your Onion Crop when you use CARCO SPRAY

NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions. Pint 85c, quart \$1.40, postpaid.

$\frac{1}{2}$  Pt.  
**60c**  
ppd.



# Luscious Peas from Your Own Garden

## Extra Early Peas

**447. EARLY ALASKA**—(55 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Mammoth pkt. 8c, ½ lb. 18c, lb. 30c, prepaid.—Not prepaid, 5 lbs. \$1.20, 10 lbs. at 21c per lb.

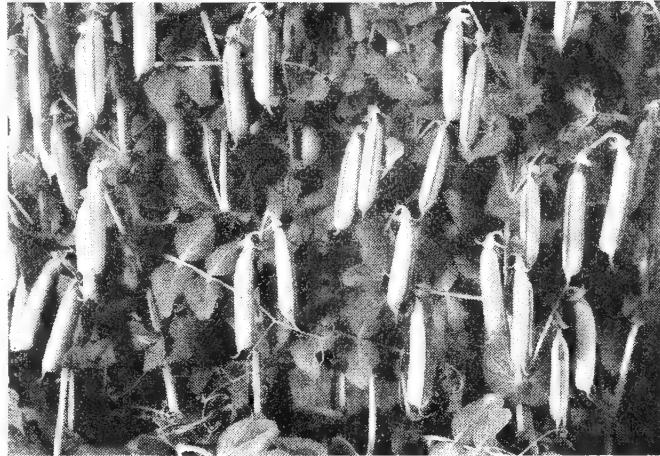
## Kerr Home Canning & Recipe Book

*Illustrated in Natural Colors*

An enlarged and attractive edition, which contains valuable information on every phase of Home Canning and more than 300 Tested Recipes. Instructions and Recipes are simple enough for the beginner, yet so complete as to be invaluable in the home.

Free with a \$2.00 order for Garden Seeds or with a \$5.00 order for Field Seeds. Ask for it.

55 — Price  
Pages — 10c ppd.



**Laxton's Progress**—Early, large-podded, heavy-yielding and of excellent quality.

## Dwarf Early Wrinkled Peas

**460. THOMAS LAXTON**—(58 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods: 3¾ inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**461. LAXTON'S PROGRESS**—(60 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods: 4¾ inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**470. GIANT LAXTONIAN**—(60 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches high, dark green; "top off" well at maturity. Pods: 4½ inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**471. LITTLE MARVEL**—(60 days.) Outstanding among the older varieties of dwarf peas. Little Marvel continues to be extensively used on account of its exceptional quality and yield. Valuable for home garden and early shipping. Vines: 18 inches high. Pods: 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds: light green, squarish, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**472. AMERICAN WONDER**—(58 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods: 2¾ inches long and filled with 6 peas. Seeds: wrinkled, square, green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.40, 10 lbs. at 25c per lb.

**474. PREMIUM GEM**—(63 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods: 2¾ inches long, light green, contain 6 to 7 peas. Seeds: wrinkled green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.40, 10 lbs. at 25c per lb.



## The Secret of Success in Growing Peas

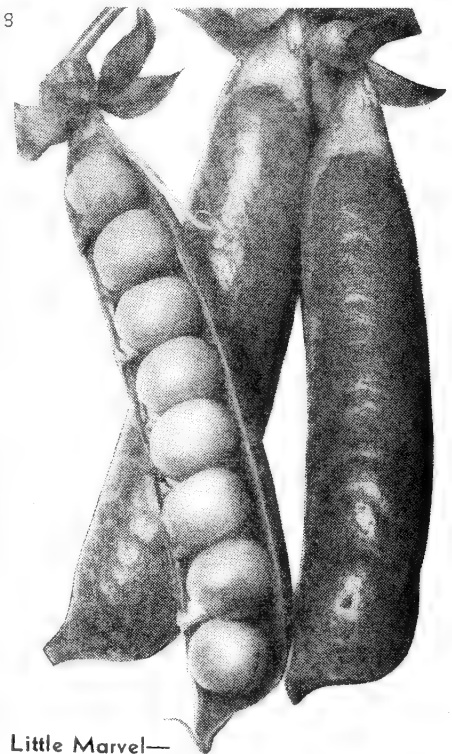
You, too, can grow big crops of luscious Peas throughout the summer if you will follow this advice—

Instead of planting at 2 or 3 week intervals, plant the early, midseason and late varieties *all at one time* in early spring, just as soon as the ground can be worked, and the different varieties will bear in steady succession.

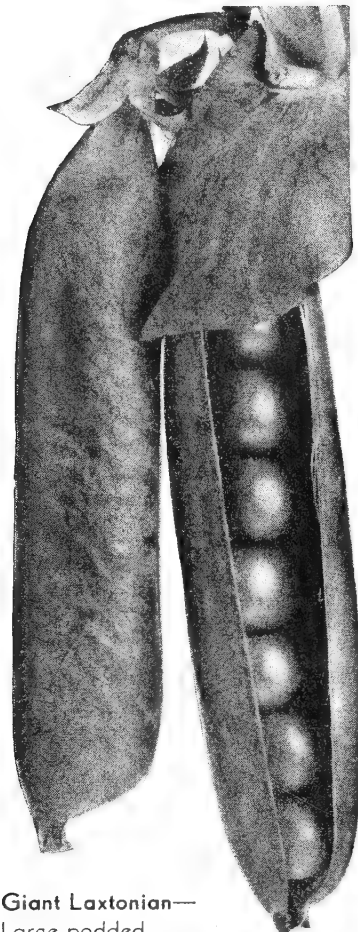
## Plant Them Early!

One pound will plant 100 feet of drill

**CULTURE**—Peas are a cool-weather crop and must be planted as soon as the ground can be worked in spring. A rich, light soil is required and plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. (See page 76.) Sow in rows 2 feet apart and 2 inches apart in the row. Avoid crowding, as closer planting will produce no greater crop. Tall varieties must be supported with light stakes or brush.



Little Marvel—  
Finest Dwarf early Pea—of delicious flavor.



Giant Laxtonian—  
Large podded,  
contains 7-8 large succulent peas.

## WAR GARDEN COLLECTION of PEAS Fresh Peas All Summer!

**IMPORTANT**—All varieties in this collection must be planted at one time, as early in the spring as the ground can be worked, and they will mature in succession.

Early Alaska (55 Days)  
Little Marvel (60 Days)  
Potlatch or Big Dinner (78 Days)

1 pkt. of each (3 pkts.) . . . 25c  
½ lb. of each (1½ lbs.) . . . 50c  
1 lb. of each (3 lbs.) . . . 90c } Ppd.

# To Eat Fresh and to Can —

## Tall Main-Crop Peas

**Late Peas** should be planted early, as they yield better. Plant them 3 inches deep and 3 inches apart in the row. Brush provides the best support, but if not obtainable, chicken wire fastened to stout stakes may be used. The supports should be placed as soon as the peas are planted.

**475. TENDER GIANT**—(73 days.) A medium late, large podded variety maturing after the early dwarf varieties and before the other large podded main crop sorts. Its sweetness and quality cannot be improved upon. A nation-wide favorite as a canning pea. Vines: 27 inches high. Pods: 4 inches long, contain 6 to 8 large tender peas. Seeds: large, green, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 27c per lb.

**480. POTLATCH OR BIG DINNER**—(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4½ inches long, ¾ inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**484. EVERBEARING**—(74 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**501. QUITE CONTENT**—(74 days.) We receive more enthusiastic reports on Quite Content than on all other tall peas. It has immense pods, filled with extra large, quality peas. Vines: 45 inches high. Pods: 4¾ inches long; contain 8 to 9 large, tender peas. Seeds: wrinkled, large, green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

*Edible Pod or Sugar Pea*  
*Sweet and Delicious*  
(Cook like String Beans)

**492. DWARF SUGAR**—(68 days.) (Eat pod and all!) A prolific home garden variety with an edible pod and also resistant to Fusarium wilt. Delicious if cooked when young the same as string beans—without shelling. Very sweet and tender. Vines 28 inches high, slender and wiry, with purple blossoms. Pods: 3 inches long, heavily curved, strongly indented between the peas. Seed: small, mottled, grey, round, smooth. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.35, 10 lbs. at 25c per lb.

*Grow Your Own Peas*  
*For Split Pea Soup*

**495. CANADA SOUP PEAS**—(85 days.) Resistant to Fusarium Wilt. A very productive late Pea grown extensively for dry use. The plants grow very tall and bear an abundance of light green, blunt pods. The seed is small, smooth, creamy white. Mammoth pkt. 8c, ½ lb. 15c, lb. 28c, prepaid.—Not prepaid, 5 lbs. \$1.10, 10 lbs. at 18c per lb.

### The Pocket BOOK of VEGETABLE GARDENING

By Charles H. Nissley

How, When and Where to Plant...

The latest practical advice on growing food for home use... easy to understand... complete. Includes specially prepared charts showing VITAMIN CONTENTS AND NUTRITIONAL VALUES as well as specific instructions for raising each vegetable. There are charts for 50 vegetables.

241 Pages  
52 Illustrations 30C ppd.

**505. TALL TELEPHONE**—(73 days.) A standard mid-season variety. Produces an abundant yield of immense pods filled with large tender peas of excellent flavor and quality. Vines: 45 inches high, dark green. Pods: 5 inches long, plump. Seeds: large, wrinkled, light green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.45, 10 lbs. at 26c per lb.

**506. CHAMPION OF ENGLAND**—(79 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.35, 10 lbs. at 25c per lb.

## LEGUME-AID

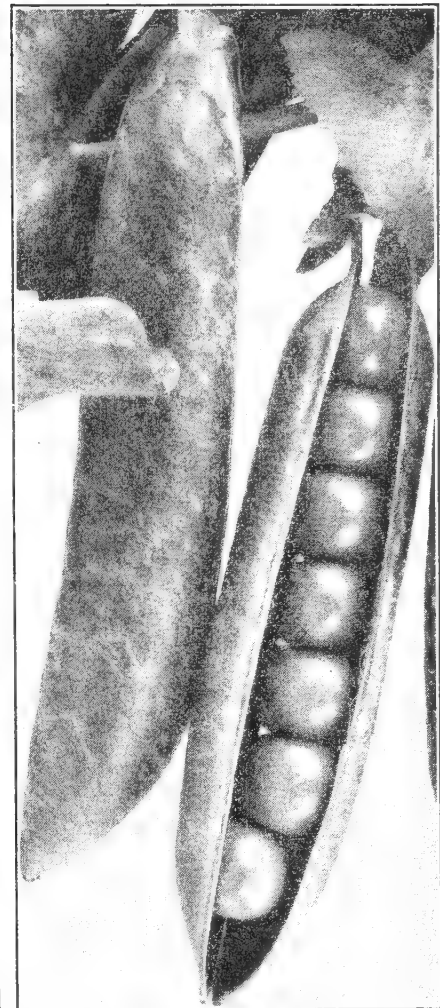
Inoculate Pea Seed with  
Legume-Aid.

It Increases Yield—Improves Quality.

Legume-Aid causes nodules to develop on the roots of the peas. These nodules gather nitrogen from the air and convert it into plant food, thus storing plant food in the soil. Legume-Aid contains all the essentials for healthy bacterial growth.

Garden Size Packet, treats up to  
5 lbs. Peas, Beans or Sweet Peas.  
Full Directions with each Packet.

10c  
ppd.



Potlatch—bears immense luscious peas.

## Parsnips

One ounce for 200 feet of drill. Five to six pounds for an acre.

A valuable root vegetable of rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scarcest. Seed germinates slowly. Sow early in drills.

**426. HOLLOW CROWN OR GUERNSEY**—A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60, prepaid.

**427. IDEAL**—Roots not as long as Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60, prepaid.

Hollow Crown Parsnips.



## Parsley

One ounce will sow 150 feet of drill.

**CULTURE**—Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks and therefore should be soaked in warm water for a few hours before planting. Sow early in spring, ½ inch deep. In the fall, a few plants may be set into pots, and taken indoors.

**430. MOSS CURLED**—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is most popular. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60, prepaid.

**431. HAMBURG or THICK ROOT-ED**—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy. Is cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60, prepaid.

## Pepper Grass or Cress

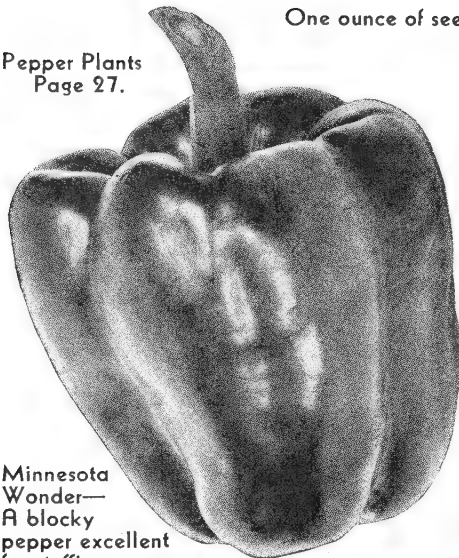
**295. FINE CURLED**—Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 10c, oz. 25c, ¼ lb. 85c, prepaid.

Peas and Parsley are rich in Vitamins and Iron so necessary for bodily health.



# Peppers—Sweet and Hot

Pepper Plants  
Page 27.



Minnesota Wonder—  
A blocky  
pepper excellent  
for stuffing.

**432. KING OF THE NORTH**—(64 days.) An early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c, ½ oz. 25c, oz. 50c, ¼ lb. \$1.50, prepaid.

**433. HUNGARIAN HOT PEPPER**—(65 days.) Also called Banana and Bulgarian Yellow. An extremely hot, long, slender pepper of a bright waxy yellow color. Turns crimson when mature. The fruits are pointed and from 5½ to 7 inches long. The plants produce abundantly. A special favorite with many people because of its pungency. A profitable market sort. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. \$1.35, prepaid.

One ounce of seed for 1,000 plants. ¼ lb. to transplant one acre.

**CULTURE**—Sow seed in flats, or in the hot-bed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

**NOTE**—The time from setting out plants to marketable condition is indicated here.

**434. HARRIS EARLY GIANT**—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: 4½ inches long, 3½ inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. \$1.40, prepaid.

**435. MINNESOTA WONDER**—(68 days.) A real quality pepper, mild and sweet. It produces smooth uniform fruits 4 inches in diameter and 5 inches long, mostly 4-lobed. The color is deep green, changing to bright crimson at maturity. The flesh is solid and thick. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.60, prepaid.

**437. LARGE BELL or BULL NOSE**—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, 2¼ inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.10, prepaid.

**442. RUBY KING**—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.10, prepaid.

## Pumpkins

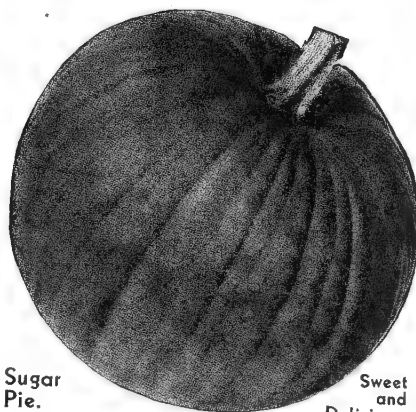
1 oz. for 25 hills, 4 lbs. per acre.  
Plant like squash, 3 or 4 seeds  
per hill and thin to 1 plant per hill.

**565. SUGAR PIE**—(75 days.) Most desirable for pies. Very fine grained, sweet and a splendid winter keeper. Fruits: 10 inches thick, weight 6 to 8 lbs.; skin hard, smooth, somewhat ribbed, deep orange. Flesh: thick, sweet, orange-yellow, and of high quality. Pkt. 8c, oz. 12c, ¼ lb. 30c, lb. \$1.00, 5 lbs. \$4.25, prepaid.

### New Field Pumpkin

**570. DICKINSON FIELD**—(Matures in 110 days.) Developed at Purdue University, this new pumpkin is far superior to all others in quality, with finer grained, thicker flesh. Commercial canners prefer Dickinson for its exceptionally high sugar and protein content, its uniform golden color and heavy yield. Often produces 25 tons to the acre. Fruits are large, elongated, and weigh from 15 to 20 lbs. The color is a deep, clear, golden yellow throughout. For pies, for canning and stock feed, we consider it the best on the market. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.20, 5 lbs. \$5.00, prepaid.

**PYROCIDE DUST** protects Pumpkin Vines from squash bugs and beetles, which attack the leaves, causing them to wilt and become blackened and crisp. PYROCIDE is easy to use and it is non-poisonous. See page 12 for prices.



Sugar  
Pie.

Sweet  
and  
Delicious.

**574. MAMMOTH KING or JUMBO**—(Matures in 120 days.) The largest of all pumpkins. Valuable for stock feeding and exhibition purposes. Fruits: 20 to 24 inches in diameter, weight 60 to 90 lbs., very large, globular, slightly ribbed, flattened; skin light yellow, mottled with yellow and frequently slightly netted. Flesh: solid, coarse, but of fair quality. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.20, prepaid.

**576. PRIZE COLLECTION MIXTURE**—A mixture of the best varieties described above, all shapes and sizes, large and small. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, 5 lbs. \$3.65, prepaid.

## Peanuts



As  
Easy  
to  
Grow  
as  
Potatoes

Ask for  
Free  
Leaflet

Large Virginia Peanuts.

**514. EARLY SPANISH**—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 10c, ½ lb. 35c, lb. 60c, prepaid.—Not prepaid, 5 lbs. for \$2.25.

**515. LARGE VIRGINIA**—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 10c, ½ lb. 35c, lb. 60c, prepaid.—Not prepaid, 5 lbs. for \$2.25.

## Rhubarb Seed

One ounce will plant 500 feet.

**CULTURE**—Sow in April in drills one foot apart, covering ¾ inch. Thin out to 12 inches apart in row, when a few inches high. The following spring transplant to deep rich soil, 3 feet apart.

**581. VICTORIA**—A vigorous grower, with thick red stalks of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 65c, prepaid.

FOR RHUBARB ROOTS SEE PAGE 26

## Tobacco Seed

One ounce of seed will produce plants for one acre.

**519. CONNECTICUT SEED LEAF**—Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 10c, ½ oz. 35c, oz. 50c, prepaid.

## A Garden of Salad Greens

Salad Greens are most flavorful, when picked fresh, tender and young from the backyard garden. A well-planned plot 5x15 feet is sufficient space, and when attractively arranged, a Salad Garden is highly decorative. It should contain the following:

Cabbage, Early—See page 8.

Cabbage, Savoy—See page 8.

Chinese Celery Cabbage—Page 9.

Chives—See Vegetable Plants, page 27.

Celery—See page 9.

Endive, Curled—See page 26.

Lettuce, Leaf and Head—Page 13.

Lettuce, Romaine or Cos—Page 13.

Onions—See pages 16 and 17.

Pepper Grass or Cress—Page 19.

Parsley—See page 19.

# Minnesota Grown Seed Potatoes



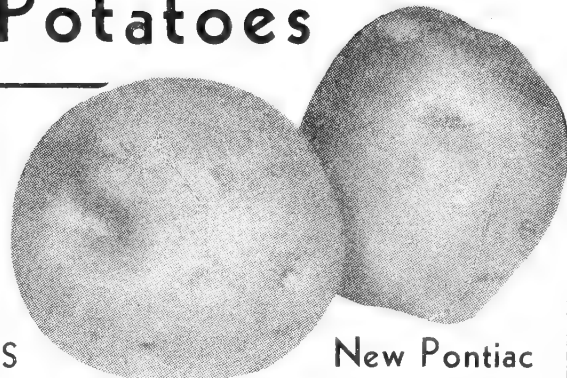
## NEW "SEBAGO" BLIGHT RESISTANT

Late blight took a heavy toll in the Potato growing sections of the Northwest during the seasons of 1941 and 1942. It was **Sebago** that withstood the epidemic best of any variety, according to the record of the North Central Station at Grand Rapids, and our own growers' reports.

Sebago is a cross of Chippewa and Katahdin—a vigorous grower, producing high yields of sound white potatoes of excellent cooking quality. It is a medium late variety, becoming immensely popular as a home or market potato.

Yields averaging 390 bushels per acre have been reported in recent tests. The seed supply, however, is still limited, and we advise ordering early. Price: See Blue Figure Price List.

## A SURE BET FOR BIG YIELDS



## New Pontiac

Potato breeders at Michigan Experiment Farm produced this "wonder potato" from seedlings of Bliss Triumph and Katahdin. New "Pontiac" has established a record for high yields, good quality and vigorous growth.

It's a midseason, red potato—round to oblong shape, with medium deep eyes and crisp white flesh. It is free from hollow heart, misshapen tubers, and more drought resistant than other varieties. A vigorous, upright grower producing heavy yields on muck as well as upland soils. See Blue Figure Price List.

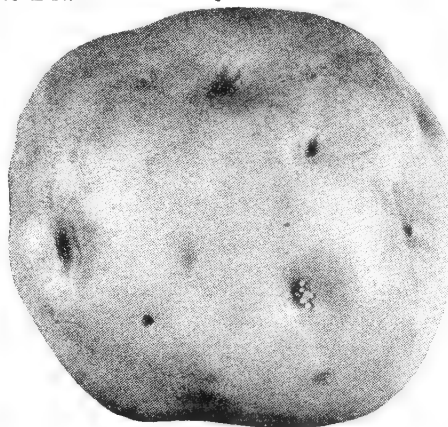
## SEED POTATO EYES

We have many calls for Seed Potato Eyes from customers who wish to try our new varieties, though hesitate to pay transportation on tubers to distant points.

We offer Potato Eyes while stocks are available. All will be freshly cut at time of shipment, and guaranteed to reach you in good condition. Name your preference—though we reserve right to substitute varieties.

Not less than 100 eyes of a variety can be offered, and this amount should produce over a bushel of potatoes.

Price: 100 for \$1.00, 250 for \$2.25, 500 for \$4.25, 1,000 for \$8.00, prepaid.



## Extra Early **WARBA** From Minn. Exp. Station

Resembles Bliss Triumph, though larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Seven to ten days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky with pink eyes and of uniform size. See B.F. List.

## EARLY OHIO

This old favorite is a heavy yielder, of even size, oval tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. Price: See Blue Figure List.

## EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, and slightly flattened, rather blocky shape. The skin is white, well netted with eyes of medium depth. B.F. List.

## KATAHDIN

Originated by the U. S. Dept. of Agri., from Rural New Yorker and Aroostook Wonder parentage. Tubers are short, elliptical to roundish with shallow eyes. A vigorous grower—does especially well in peat soil, and is a good consistent yielder. As a late variety it is replacing Rural New Yorker and Green Mountain. Price: See Blue Figure Price List.

## TREAT ALL SEED POTATOES

For Scab—Rhizoctonia—Black Leg  
Just dipping seed potatoes in SEMESAN BEL solution, eliminates such diseases as scab, rhizoctonia and black leg. Improves germination and produces bigger crops. One pound treats 70 to 80 bushels of seed. Prices: 2 oz. 30c, prepaid.—Not prepaid, 1 lb. \$1.65, 5 lbs. \$7.15, 25 lbs. \$33.25.

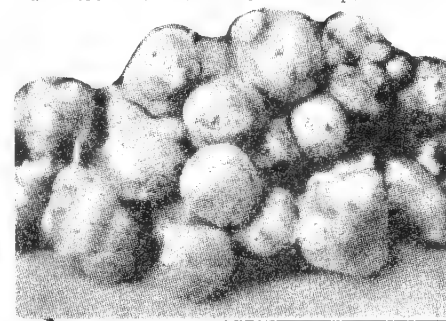
## NEWEST MIDSEASON POTATO ← **KASOTA** →

This latest Minn.-Neb. Experiment Station introduction is a cross between Bliss Triumph, Keeper and Silverskin. It has wide adaptability and is especially suited to the Red River Valley.

Kasota is a mid-season potato—maturing a week later than Irish Cobbler. The tubers are broadly roundish, somewhat flattened, medium thickness—with smooth reddish skin, and shallow eyes. The flesh is clear white. Yields better than the Cobbler. It is less susceptible to disease—and stands heat and drought better than most potatoes. Cooking quality and flavor excellent. Price: See Blue Figure Price List.

## GIRASOL—Improved American Artichoke— the Diabetics' Potato

Bushel (50 lbs.)—6 bushels will plant an acre—Not available until April 10th.



## A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe folder mailed free upon request.

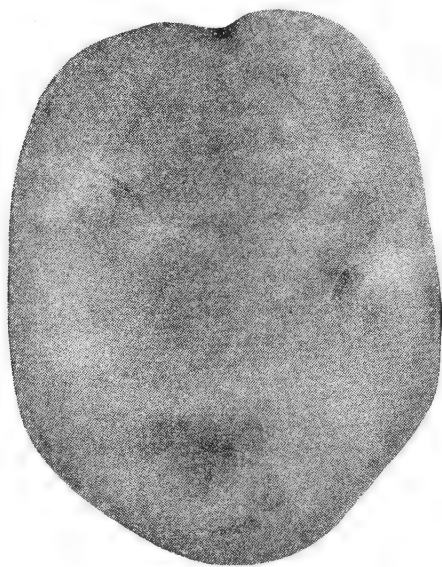
## Easy To Grow

Plant 3 feet apart in rows 3 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 15 tons of tubers per acre, with an equal amount of silage from the tops. Tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.00, prepaid to third zone only.—Not prepaid, 10 lbs. 80c, 20 lbs. \$1.50, 50 lbs. \$3.25.



## U.S.D.A. CHIPPEWA

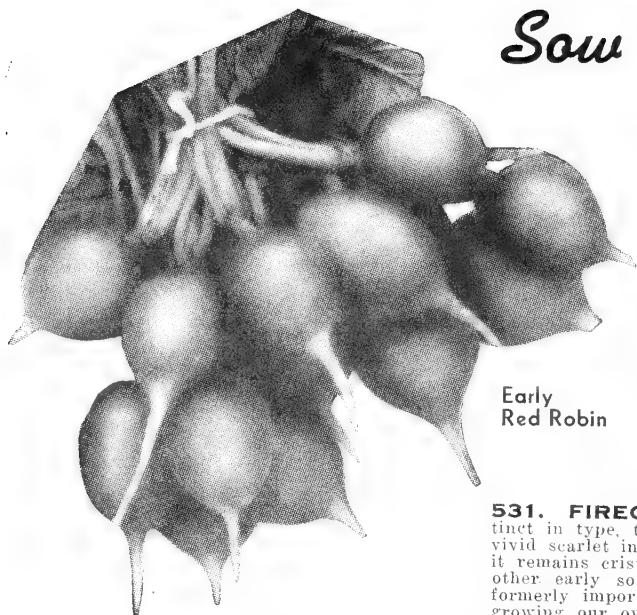
Earlier than Katahdin or Green Mountain and is especially well adapted for the Northwest. Yields higher than most late varieties.

Chippewa was compared in 1938 with Cobbler in 12 counties and exceeded Cobbler in yield of No. 1 potatoes in all but 2 tests. The average difference in yield was 39 bushels. Chippewa matures a few days later than Cobbler but yields a consistently higher percentage of No. 1 tubers.

Since it matures ahead of other late varieties, it will be a most popular storage potato. Tubers are smooth, regular in outline, with very shallow eyes, excellent cookers and show high resistance to mild mosaic.

Price: See Blue Figure Price List.

Additional Potato Varieties are Offered on Blue Figure List.



Early  
Red Robin

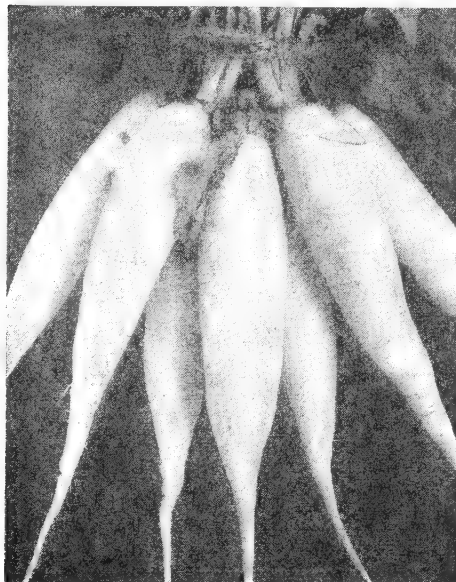
**524. EARLY RED ROBIN**—Profitable Early Market Variety. Ready to pull in 16 to 20 days. Color: rich scarlet; flesh, snow-white, crisp, juicy and mild; shape, slightly elongated globe. It costs twice as much to produce Red Robin Radish Seed, because it is grown from transplanted roots, insuring absolute uniformity and trueness of type. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.00 per lb.

**525. EARLY SCARLET TURNIP**—(26 days.) Scarlet-red, flesh crisp and tender. Roots quickly grow to an inch in diameter, turnip-shaped. Excellent for early planting. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.

**526. EARLY SCARLET TURNIP WHITE TIP**—(26 days.) A table dainty, crisp, tender and sweet. It is turnip-shaped, bright scarlet with a white tip, appealing to the eye and palate. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.

**529. SPARKLER**—(26 days.) Similar to Scarlet Turnip White Tip, but with a larger white area. Roots round and smooth, quality excellent. Very popular with market gardeners. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.

**530. EARLY SAXA**—(22 days.) One of the earliest radishes, and slow to run to seed. Tops small, roots round and bright scarlet. A good forcing sort and for first outdoor planting. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.



White Icicle has crisp white flesh  
of mild inviting flavor.

# Sow Radishes Early In Spring As Soon as the Ground can be Worked

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

**CULTURE**—Quick growth makes Radishes crisp and tender, and to grow well, they must have cool weather and light, rich soil. Cover seed  $\frac{1}{2}$  inch. To have a continuous supply for the table, sow as early in the spring as possible, and at intervals of 10 days thereafter until May 15th. To have Radishes in fall, three sowings of early varieties may be made at weekly intervals, beginning August 15th.

**NOTE**—To control the Radish Maggot, use CARCO SPRAY. For description and prices see page 8.



**531. FIRECRACKER**—(22 days.) Distinct in type, this radish is long and slender, vivid scarlet in color and although very early, it remains crisp and tender much longer than other early sorts. Seed of this variety was formerly imported, but we have succeeded in growing our own seed. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid. Not prepaid, 5 lbs. at \$1.25 per lb. (See front cover.)

**534. COMET**—(24 days.) Bright scarlet in color; globe to olive shaped, this radish matures early, but remains in edible condition a long time before becoming pithy. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.

**535. IMPROVED EARLY SCARLET GLOBE**—(24 days.) Very early crisp, mild and tender. Bright scarlet in color, of uniform globe shape. One of the best for forcing and outdoor planting. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.

**538. FRENCH BREAKFAST**—(25 days.) A splendid variety for home use, oblong, blunt, about 2 inches long, it is rich scarlet in color, with a white tip. Flesh is solid, crisp and sweet. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.

**540. CRIMSON GIANT**—(28 days.) Largest of all the early round radishes, of fine mild quality, it remains in perfect condition until an inch in diameter. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.

## 546. WHITE ICICLE

—(25 days.) The leader among the long white radishes. Pure white, very crisp and brittle, it remains mild long after maturity. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.

**542. MIXED RADISHES**—This mixture contains Early, Midseason and Late varieties. It will provide an interesting assortment for the table throughout the season. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.

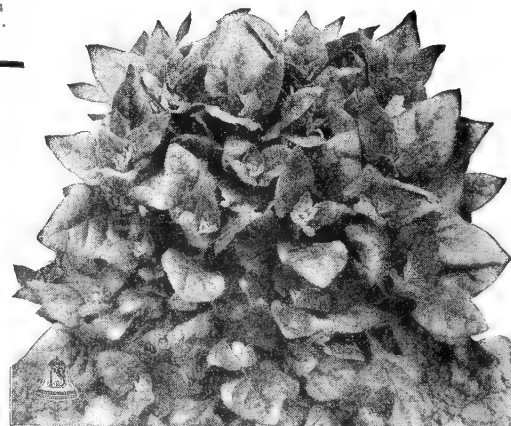
## Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

**555. CALIFORNIA WHITE MAMMOTH**—(60 days.) Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent.

**559. LONG BLACK SPANISH**—(58 days.) Roots: 9 inches long, 2  $\frac{1}{2}$  inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent.

Prices of Winter Radishes — Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 90c per lb.



The small fleshy leaves of NEW ZEALAND SPINACH are tender and delicious when cooked.

## Spinach for Healthful Greens

One ounce plants 100 foot row.

**CULTURE**—Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June.

**584. KING OF DENMARK SPINACH**—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.10, prepaid. Not prepaid, 5 lbs. at 80c per lb.

**585. TENDERGREEN MUSTARD SPINACH**—An Oriental type of mustard and not a true spinach. Grown for greens. It is a very desirable, quick growing, tender variety with long, broad, smooth leaves and white mid-ribs. The leaves are usually ready for cutting in 3 to 4 weeks. Dry weather will not injure the crop. The flavor of this new vegetable resembles spinach with a very mild mustard taste. The best summer green. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 95c per lb.

For Spinach Beet see Swiss Chard, page 6.

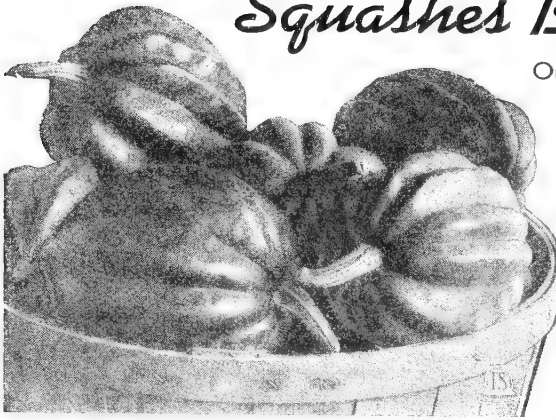
**589. NEW ZEALAND**—(70 days.) Native of New Zealand—quite distinct from other varieties of Spinach, it thrives in hot dry weather. The large spreading plants have small, thick, pointed deep green leaves, which can be picked throughout the season until heavy frost. Soak seed in warm water for several hours before planting. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$2.75, prepaid. Not prepaid, 5 lbs. at \$2.40 per lb.

**586. BLOOMSDALE SAVOY LEAVED**—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid. Not prepaid, 5 lbs. at 75c per lb.



# Squashes Bred To Highest Quality

One ounce plants 50 hills—3 to 4 pounds per acre.



Split **TABLE QUEEN SQUASH** in halves, scoop out the seeds, brush with butter, bake and serve.

**CULTURE**—Sow in full sun, in warm, rich soil in hills, allowing 6 seeds to each hill. When plants have 3 or 4 leaves thin out leaving the 3 strongest plants. For protection against the squash borer, cover vine with soil at several joints. It will take root where covered and limit the damage done by the borer.

**NOTE**—In harvesting Winter Squashes, handle them gently. If the skin is bruised, the Squash will rot. Store on a shelf or rack so they will not touch each other.



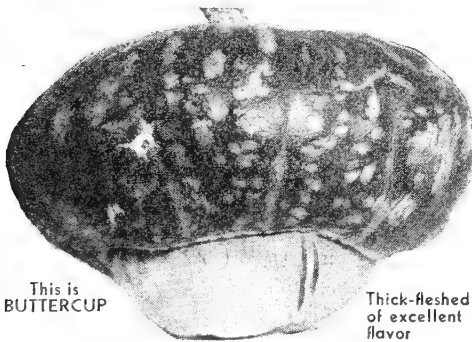
**CHICAGO WARTED HUBBARD**

## Long-Keeping Winter Varieties

**597. BLUE HUBBARD**—(110 days.) Superior in edible quality, larger in size and a better yielder and keeper than other Hubbard strains. Fruits large, round, pointed at both ends; slightly ridged, with very hard, blue-gray rind; weight 12-14 lbs. Flesh orange-yellow, thick, of fine flavor. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.35, prepaid.

**598. CHICAGO WARTED HUBBARD**—(110 days.) Very prolific and a good keeper. The dark green fruits are heavily warted, pointed at one end and weigh about 14 pounds. The flesh is bright orange, fine grained, dry and sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**599. IMPROVED GREEN HUBBARD**—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inches diameter; weight 12 pounds, pointed at both ends, slightly warted, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.



This is **BUTTERCUP**

Thick-fleshed of excellent flavor

**600. GOLDEN HUBBARD**—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inches diameter; weight 10 lbs., somewhat pointed at each end, moderately warted, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**601. NEW BUTTERCUP**—(100 days.) This squash is acorn-shaped and has all the seeds in the blossom end, where they can be removed with a twist of the knife. The rest of the fruit is solid orange flesh, fine-textured and dry. Weight about 3 $\frac{1}{2}$  lbs.; rind thin and tough. A splendid winter squash, unexcelled in quality. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50, prepaid.



**Greengold** has deep orange flesh dry, mealy and sweet.

**602. NEW GREENGOLD**—(100 days.) A selection from the Buttercup, superior to the Hubbard in edible quality, and of small size, 4 to 5 pounds. Color: orange-yellow background with green stripes. Very thin hard shell, deep orange flesh, dry, mealy, stringless and sweet with an exceptionally fine flavor. Small seed cavity. Greengold is a vigorous grower, with small stems and produces five to six fruits per plant. Pkt. 10c, oz. 35c, prepaid.

**607. KITCHENETTE**—(100 days.) The smallest Hubbard squash, weighing only 5 to 7 pounds when mature. Fruits are glossy dark green, fully equal in quality to any Hubbard. A splendid keeper. Just the right size for the average family. Pkt. 10c, oz. 30c, prepaid.

## Ready in Early Fall

**604. GOLDEN TABLE QUEEN**—(60 days.) Somewhat larger than the regular Table Queen, and of a beautiful deep golden color. Fruits are deeply ribbed, pointed at blossom end. The orange flesh is thick, dry and of fine texture. Edible from early fall throughout the winter. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, prepaid.

**605. TABLE QUEEN**—(58 days.) Early maturing and fine for home or market garden use and for shipping. Fruit: 6 inches long, 4 $\frac{1}{2}$  inches diameter; weight 1 $\frac{1}{2}$  lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, prepaid.

## Summer Squashes

The tender half-grown fruits of Summer Squashes are delicious, when picked before the shell begins to harden. The plants continue to bear until frost if fruits are kept picked.

**595. GIANT STRAIGHTNECK**—(60 days.) The convenient straight shape of this squash makes it superior to its parent Crookneck. Plants bushy and prolific. Fruits golden yellow, heavily warted, 18 inches long; flesh thick and yellow of delicious flavor and fine quality. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, prepaid.

**596. COCOZELLE BUSH**—(65 days.) The fruits are most delicious when only 4 to 6 inches long. At this stage they may be sliced with the skins on, boiled from 20 to 30 minutes and served with butter, salt and pepper. If kept picked they will continue to bear until frost. Mature fruits are 20 inches long, smooth, dark green, marbled with yellow and light green. The flesh is pale green, thick, firm and tender. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, prepaid.

### USE PYROCIDE DUST—Kill

#### Squash Bugs & Cucumber Beetles

Now you can protect melons, squash and cukes with non-poison Pyrocide, a new type dust, so powerful it controls these hard-to-kill pests, and most all types of sucking and chewing insects on fruits and vegetables including Aphids, Cabbage Worms, Mexican Bean Beetles, Leaf Hoppers, as well as house pests: flies, ants, etc.

1 lb.

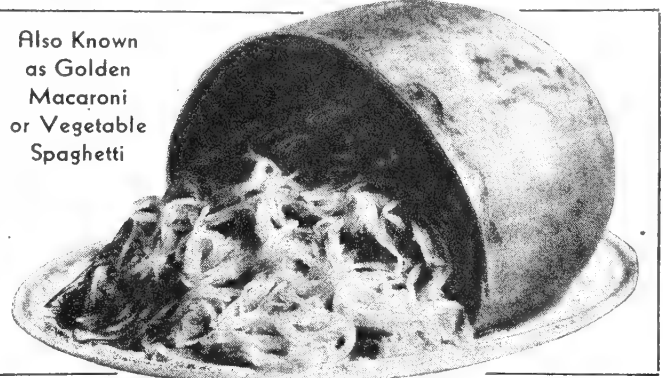
Not Prepaid: 5 lbs. \$1.25,  
25 lbs. \$4.25, 100 lbs. \$16.00.

**40c**  
ppd.

### Noodle Squash

Also Known as Golden Macaroni or Vegetable Spaghetti

**314.** Smooth, creamy-white fruits, 8 inches long and 5 inches thick. Pick when well matured. Store like squash for winter. Before cooking, puncture one end, place in kettle of hot water and cook 30 minutes. Cut in half, remove center seed core, and flesh will fall out in shreds, suggestive of spaghetti. Serve hot with salt and butter, or with a cream sauce. Pkt. 10c, oz. 30c, prepaid.



# Tomatoes — Meaty and Full-Flavored

One Ounce Produces 2,000 Plants, 1/4 Pound to Transplant an Acre

**CULTURE**—Sow the seed in March in a sunny window, in boxes or flats, using a light sandy soil. The seed germinates in 10 to 12 days. When plants are 2 or 3 inches high, transplant them 2 inches apart each way, into other flats using the same kind of soil. In 3 weeks, transplant to small paper pots or 4-inch flower pots, to produce good stocky plants. Pot-grown plants will not suffer a set-back when planted out in the garden, as the roots need not be disturbed.

**NOTE**—The time from setting out plants to marketable condition is indicated here.

## For Main Crop

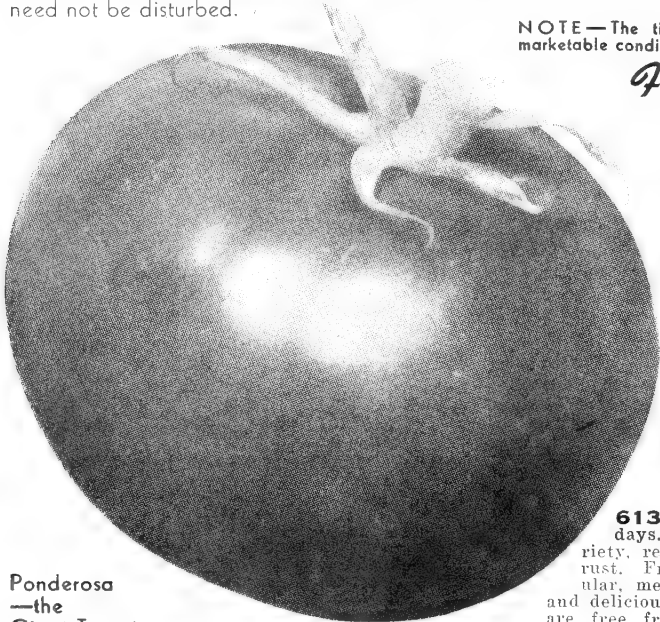
**Disease Resistant Strains are Best**

**610. RUTGERS**—(73 days.) Originated by the New Jersey Experiment Station, this tomato is disease resistant and a consistently heavy cropper. The fruit is uniform, globular, smooth, of medium size and very solid, with heavy cross walls and small seed cavities. It ripens evenly from the inside out, to a uniform bright scarlet, is mildly acid and of pleasing taste. Especially valuable for slicing and in the making of sparkling bright red juice. Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$2.10, prepaid.

**613. MARGLOBE** — (77 days.) A splendid main crop variety, resistant to wilt and immune to rust. Fruits are large, smooth, globular, meaty, deep red, of fine quality and delicious flavor. Ripen uniformly and are free from cracks. Widely used by truckers, shippers and canners, it is also a favorite for the home garden. Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$2.10, prepaid.



Rutgers produces an abundance of perfectly uniform fruit—ideal for canning and juice.



Ponderosa—the Giant Tomato

## Earliest Varieties

**611. SCARLET EXTRA EARLY JUNE**—(60 days.) This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. Pkt. 15c, 1/2 oz. 50c, oz. 90c, 1/4 lb. \$3.00, prepaid.

**612. SPARKS EARLIANA** — (65 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 10c, 1/2 oz. 40c, oz. 70c, 1/4 lb. \$2.50, prepaid.

**614. FIRESTEEL**—(62 days.) Developed from a cross of Extra Early Bison and Pritchard (Scarlet Topper) it combines the best qualities of both, including Bison's earliness and Pritchard's resistance to Fusarium wilt and disease. The fruits are bright scarlet, globular, of medium size, smooth, solid and free from cracks. The flavor is semi-acid. For dry seasons Firesteel has no equal, as it will set fruit when other types are dropping their blossoms. Pkt. 15c, 1/2 oz. 40c, prepaid.

**619. NEW VICTOR** — (67 days.) Produces large clusters of fine, deep scarlet tomatoes, uniform in size, even-ripening, exceptionally smooth and resistant to cracking and sun-scald. The plants are vigorous and prolific; foliage is of the self-pruning type. Excellent for early home and market use, and especially suited to growing conditions in the Northwest. Pkt. 15c, prepaid.

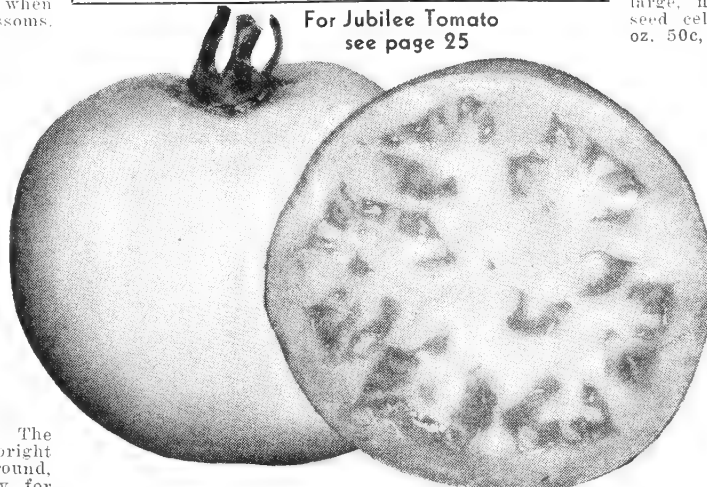
**628. JOHN BAER**—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

**635. BONNY BEST**—(74 days.) The standard second early sort. Large, bright scarlet fruits, very smooth, perfectly round, solid and meaty. An excellent variety for market gardeners, shippers and canners, as it is a heavy yielder. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.



Marglobe—of fine quality and inviting flavor

For Jubilee Tomato see page 25



Jubilee—a beautiful orange-fleshed tomato. Makes delicious juice and tempting salads.

**These Main-Crop Tomatoes Ripen Early and Continue to Bear Until Frost.**

**617. PRITCHARD OR SCARLET TOPPER**—(73 days.) A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections; color light scarlet. A tasty tomato either sliced or canned. Pkt. 15c, 1/2 oz. 40c, oz. 70c, 1/4 lb. \$2.50, prepaid.

**618. VALIANT**—(70 days.) New early round scarlet Tomato of the deep Marglobe-type. Fruits are smooth and solid, often weighing 8 ounces. The flesh is firm and meaty, with very few seeds. An excellent market and home garden variety. Pkt. 15c, 1/2 oz. 40c, oz. 70c, 1/4 lb. \$2.50, prepaid.

## A Giant Strain

**639. PONDEROSA**—The Giant Tomato—(88 days.) A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 15c, 1/2 oz. 50c, oz. 90c, prepaid.

**GROW PERFECT TOMATOES!**  
Keep vines healthy by spraying them regularly with **ACME KOPPER KING**. Use as a spray or dust to control Blight, Mildew, Wilt and Leaf Spot. 1 lb. 50c ppd.

## Novelty

### Tomato Collection

Grow these Tomatoes and delight your family with a salad composed of alternate slices of golden yellow, frosty white, rich red.

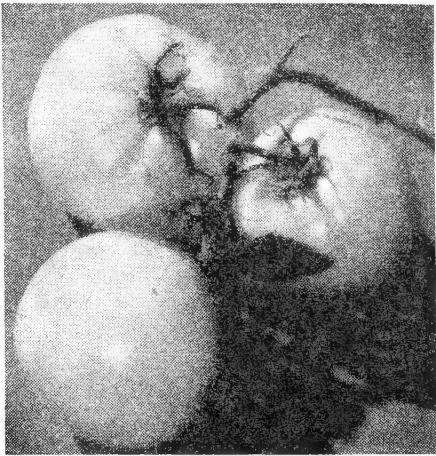
One { Mingold—Yellow  
Pkt. { Snowball—White  
Each { John Baer—Red

for 35c ppd.

# Novelty Tomatoes for Variety

## A New Orange-Yellow Tomato

See Illustration on Page 24



### Mingold—Earliest Yellow Tomato

**615. MINGOLD**—An early yellow-fruited sort, introduced by the Minnesota Experiment Station. Of fine flavor, it fills the growing demand for Yellow Tomato Juice and sliced with the reds, makes a colorful salad. The fruits are medium large, nearly globular, solid, with thick walls and cross sections. Pkt. 15c, ½ oz. 50c, prepaid.

### For Sauce & Preserves

**644. FARGO YELLOW PEAR**—A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, ½ oz. 30c, oz. 50c, prepaid.

**653. GROUND CHERRY OR HUSK TOMATO**—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 10c, ½ oz. 30c, oz. 50c, prepaid.

### Grow Perfect Tomatoes In a Small Back-Yard Garden

- 1—Select a sunny location, as the direct heat of the sun is needed to ripen the fruit.
- 2—Dig the holes 18 inches deep and 2½ feet apart.
- 3—Put a foot of compost in each hole and cover it with one inch of soil.
- 4—Cut off all branches from plants and set them so that the roots touch the soil in bottom of hole. Then fill in all around plant with good garden loam.  
Note—The entire plant should be below the ground except the 2 upper leaves, which rest on the surface. New roots will grow out all along the stem, giving the plants more strength and vigor.
- 5—Make paper collars 3 inches wide, from any stiff paper, and insert 1½ inches in the ground around the plant, and extending the same distance above, to protect stems from cutworms.
- 6—When plants are about 1 foot high, provide sturdy supports and as they grow, tie them firmly each week to the supports, with soft, wide strips of cloth.
- 7—Keep soil well cultivated while plants are growing and later mulch them with 3 inches of grass clippings.
- 8—Keep vines healthy by spraying them regularly with ACME KOPPER KING, to control blight, mildew, wilt and leaf spot. (See page 74 for prices).

**621. JUBILEE**—(72 days.) Different from any yellow or orange tomato you have ever grown. Fruits are bright orange-yellow, globular, weigh about 6 ozs., smooth, free from cracking and solid. The interior is modern, thick-walled, with few seeds. The flavor is mild but not flat. Makes delicious juice of unusual and attractive color. Plants hold their foliage well and bear over a long season; fruit develops evenly and uniformly. Pkt. 15c, prepaid.

### Snowball—an Acid-Free Tomato

**637. SNOWBALL**—A beautiful ivory-white tomato, everyone can enjoy as it contains less acid than any other variety. The flesh is alabaster-white, firm and meaty with a mild, rich flavor. The fruits are similar to Golden Ponderosa in size and shape. Pkt. 15c, prepaid.

### A Heart-Shaped Pink Tomato

**616. OXHEART**—(90 days.) In shape it's different from any other tomato. It is of great size, has very thick flesh and is almost seedless. Excellent in salads. Fruit: extremely large, heart shaped, pink; very solid, meaty, and of mild flavor. Vine: open, spreading, fairly productive. Pkt. 15c, ½ oz. 45c, oz. 75c, prepaid.



### If Your Garden Is Small

Train Tomato Plants to grow on a trellis or on stout stakes and they will take up no more room than a dahlia. "Trained" tomatoes are firmer, cleaner and better shaped than fruit grown on plants allowed to sprawl over the ground. See directions below for growing perfect tomatoes.

## Tender Turnips for Your Table



American Purple Top Rutabaga is creamy yellow, solid and crisp. A heavy yielder and good keeper.

### Rutabagas

**698. IMPROVED AMERICAN PURPLE TOP RUTABAGA**—(88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.—Not prepaid, 5 lbs. at \$1.40 per lb.

**701. F. S. & N. CO'S EARLY NECKLESS RUTABAGA**—A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.—Not prepaid, 5 lbs. at \$1.40 per lb.

One ounce will sow 125 feet of drill—2 pounds per acre in drills; 3 pounds broadcast.

**CULTURE**—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas require a longer growing season than turnips and need more moisture. When full grown, they should be pulled, topped and stored in a cool cellar or pit. If cool and sufficiently moist to prevent withering, they will keep all winter.

**681. EXTRA EARLY PURPLE TOP MILAN TURNIP**—(40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.

**683. WHITE EGG TURNIP**—(55 to 60 days.) An early variety adapted for either spring or fall sowing. Roots: 2½ inch diameter, 3½ inches long; egg-shaped, white throughout; smooth, fine grained and of excellent quality. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.

**685. PURPLE TOP WHITE GLOBE TURNIP**—(58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.

**686. EARLY PURPLE TOP STRAP LEAVED TURNIP**—(45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.



# Vegetables for the Epicure

Curled Endive for

Crisp Salads

## Egg Plant

Kohlrabi is a delicious vegetable.

This is **EARLY WHITE VIENNA**.

## Endive

## Kohlrabi

## Kale or Borecole

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

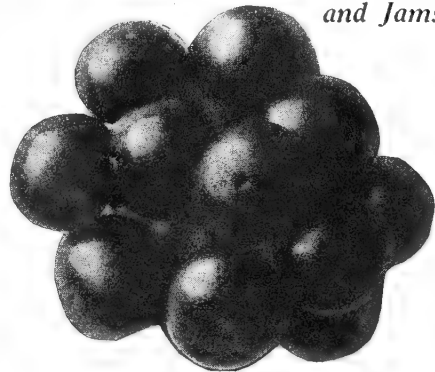
**75. DWARF GREEN CURLED**—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

**76. TALL GREEN CURLED SCOTCH**—Hardy plants with leaves deeply cut; curled at edges, light green in color. Very tender after exposure to frost. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

Celeriac—See Page 9  
Leek and Mustard—See Page 16  
Vegetable Spaghetti—See Page 23

## Garden Huckleberries

Make Delicious Pies, Preserves and Jams



**655.** The berries are borne in clusters and when ripe are a shining black color, about ½ to ¾ inch in diameter. Plants grow 3 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, ½ oz. 40c, oz. 65c, prepaid. See recipe below.

### Recipe for Huckleberry Pie

Wash and stem 2½ quarts berries, cover with water and let come to a boil. Add ½ teaspoon soda, boil one minute and drain. Add one cup cold water to berries, cook until soft, then mash and add 1½ cups sugar, juice of ½ lemon and boil about 15 minutes. Remove from stove and cool. When ready to put in pie crust add one tablespoon tapioca. Dot with butter, add top crust and bake.

For canning, use above directions (omitting tapioca and butter) cooking berries at least 45 minutes after sugar and lemon juice have been added. Pour into sterilized jars and seal.

One ounce will produce 1,000 plants.

Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, 2½ feet apart.

**302. BLACK BEAUTY**—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 10c, ½ oz. 30c, oz. 55c, ¼ lb. \$2.00, prepaid.

**304. FLORIDA DEEP HEART**—(88 days.) A great improvement over the Broad Leaved Batavian; the plant is large and vigorous, with broad, thick leaves; many infolding leaves form a deep compact heart, well-blanching and of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75, prepaid.

**305. GREEN CURLED**—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50, prepaid.

## Herbs

To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

**663. DILL**—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 10c, ½ lb. 65c, lb. \$1.10, prepaid.

**674. SAGE**—The leaves and tops are used very extensively for seasoning. Pkt. 10c, ½ oz. 60c, prepaid.

**676. THYME**—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 10c, ½ oz. 60c, prepaid.

## Rhubarb Roots

Set Plants 4 feet apart with Crowns 2 inches below the surface.

**NEW CHIPMAN'S CANADA RED**—One of the best of the new improved varieties. Very sweet, tender, of fine flavor, with extra-large stalks, bright red all the way through, the red color extending even to the mid-rib of the leaf. Does not lose its bright color in cooking, and both sauce and pies are an appetizing cherry-red color. Chipman's is vigorous in growth, of the hardy, everbearing type, and does not make seed. Supply of roots limited. Order early. Price: \$1.10 each, 2 for \$2.00, prepaid to 3rd zone.

Illustrated in Color on Front Cover.

**NEW MACDONALD RED**—Produces thick succulent stalks, 18 to 24 inches long, with skin so thin and tender that peeling is unnecessary. Stalks are bright cherry-red from base to top; flesh white, fine-grained, low in acid, with a mild rich flavor. Sauces and pies made from MacDonald require less sugar and have an appetizing red color when cooked. A tremendous yield, it remains tender and can be used over a long period of time. Price: 75c each, 2 for \$1.40, 6 for \$3.50, prepaid to 3rd zone.

**NEW RUBY**—The most highly colored of all Rhubarb. Both stalks and flesh are ruby-red. Fine-textured, tender, juicy and crisp, with a sweet, inviting flavor. The stalks are smaller than MacDonald. Price: 75c each, 2 for \$1.40, 6 for \$3.50, prepaid to 3rd zone.

**VICTORIA**—A popular red variety with extra-large stalks. Early, and immensely productive, tender, with a mild sub-acid flavor. Price: 2 for 50c, 6 for \$1.20, prepaid to 3rd zone.

## Horse-Radish Roots

Minnesota grown native planting roots have clear white disease-free flesh. Grate up fine and tender and white as snow. It is just as important to change planting stocks in growing Horse-Radish as it is in growing potatoes to maintain best quality and yields. Price: 12 for 45c, 50 for \$1.25, 100 for \$2.25, prepaid.



Northern Grown Horse-Radish Roots.

# Our Vegetable Plant Department

On plant orders less than 60c, add 15c for packing

## Transplanted Vegetable Plants

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Ask for prices in larger quantities.

We cannot accept shipments beyond the fourth zone (600 miles).

On Plant Orders Less Than 60c, Add 15c for Packing.

50 or more plants at the 100 rate. Ppd. to 4th Zone.

We cannot accept orders for less than one dozen of a variety.

CABBAGE, Early. Ready in April and May. Marion Market (yellows resistant) midseason, Early Jersey Wakefield, Copenhagen Market, Golden Acre, earliest, flat head. . . . . **45c per Dozen**

CABBAGE, Late. Ready in June. Hollander or Danish Ballhead (yellows resistant). . . . . **45c per Dozen**

CELERY, Early. Ready in June. Golden Self Blanching, Golden Crisp (green). . . . . **\$2.25 per 100 postpaid**

SWEET POTATO PLANTS. Porto-Rico. Ready in May and June. . . . . **To 4th zone**

CHIVES. Ready in April. Per bunch, about 1 doz. plants. . . . . **To 4th zone**

TOMATOES. Ready in May and June. Fire-steel, Scarlet Topper, Earliana, Ponderosa, Rutgers, John Baer, Oxheart. . . . . **50c per Dozen**  
**\$3.25 per 100 ppd.**

CAULIFLOWER. Ready in April and May. Super Snowball. . . . . **50c per Dozen**

EGG PLANT. Ready in May and June. Black Beauty. . . . . **\$3.25 per 100 postpaid**

GROUND CHERRY. Ready in May and June. . . . . **To 4th zone**

PEPPER. Ready in May and June. Hungarian Early (Hot Pepper) Minnesota Wonder. . . . . **To 4th zone**

SAGE. Broadleaf. . . . . **To 4th zone**

FOR ONION PLANTS. See page 16.

**TRANSPLANTONE** - Starts plants quickly - gives increased yields.

Amazing new HORMONE-Vitamin stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Unbelievable results discovered in transplanting VEGETABLES—tomatoes start quickly—no wilting or setback. 50% more yield reported. 1 oz. Transplantone makes 10 gallons of transplant solution or 1,000 gallons watering solution. Free folder on request. 1/2 oz. pkt., postpaid, 25c. 3-oz. can, postpaid, \$1.00.

## Frost-Proof Cabbage Plants

No Delivery Beyond 3rd Zone (300 Miles).

On plant orders less than 60c, add 15c for packing

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting.

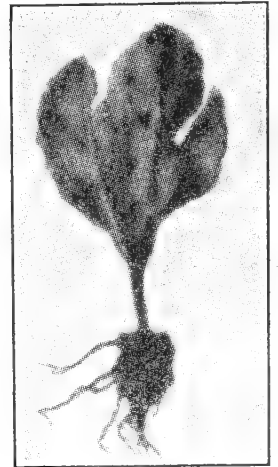
We offer the three best sorts in bundles of about 45-50 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH, COPENHAGEN MARKET, DANISH BALLHEAD, MARION MARKET or GOLDEN ACRE.

We reserve right to substitute.

NOTE—Owing to the Cabbage Seed scarcity and the uncertainty of the southern Cabbage Plant crop, we offer no Frost Proof Cabbage Plants at this time. We will keep in touch with the growing sections, and if southern plants are wanted, write us about April 1st for quotations.

Not available after May 1.



Frost-Proof Cabbage.

## Rust-Resistant Asparagus Roots

The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out in rows 3 feet apart and 1 1/2 feet apart in the rows. The plants should be set so that the crowns are 2 inches below the surface. Heavy one-year-old plants are considered best for setting out.

**New Early Paradise** A sensationally new early maturing variety—produces normal crop one year earlier than other varieties and gives heavier production throughout its life. Large crisp, tender stalks—exceptionally fine mild flavor. Only 6 to 8 stalks required to the pound. A new, better, rust-resistant variety that will take the country by storm.

Paradise Roots: Heavy, one-year-old, 25 for \$1.00, 50 for \$1.50, 100 for \$2.50, prepaid to 3rd zone.—Not prepaid, 500 for \$9.00.

**Washington** Tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched.

Price: No. 1 one-year-old roots, 25 for 75c, 50 for \$1.30, 100 for \$2.25, prepaid to 3rd zone.—Not prepaid: 500 for \$8.00.

Ask for free circular, "How to Grow Asparagus"

## — WINDOW BOX AND FLOWER BED PLANTS —

Annual Flowers Grown in Flats in the Greenhouse—Ready to Transplant.

We cannot accept orders for less than 6 plants of one variety. Minimum order 60c.

AGERATUM MIDGET BLUE.

ASTERS.

Deep Rose.  
Heart of France—Deep Glowing Red.  
Royal Purple.  
White.

COSMOS SENSATION.

LARKSPUR GIANT IMPERIAL MIXED.  
3-4 feet.

LOBELIA CRYSTAL PALACE.

MARIGOLD.

Orange Supreme—Deep Orange.  
Goldsmith—Golden Orange.  
Melody—Golden Yellow.

PETUNIAS.

Admiral—Best Dark Blue.  
Black Prince—Dark Crimson.  
White Cloud—Pure White.  
Celestial Rose—Rich Satiny Rose.

STOCKS, GIANT IMPERIAL MIXED,  
24 in., Double.

SNAPDRAGONS, CALIFORNIA GIANTS.  
SALVIA AMERICA.

**45c per doz.**

**24 for 80c**

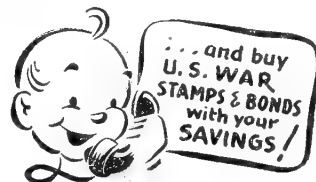
**50 for \$1.40**

**100 for \$2.50**

postpaid



Enjoy Your Home Garden.  
Grow Food for Victory,  
Flowers for Pleasure.



VERBENA. Hybrid Mixed Colors.

ZINNIAS.

Howard Crested Giant.  
Giant Dahlia Flowered.  
Rose—Red—Orange—Scarlet.  
Pompon, or Baby Zinnia—finest mixed colors.  
California Giant—mixed colors.

**45c per doz.**

**24 for 80c**  
**50 for \$1.40**  
**100 for \$2.50 postpaid**

PANSIES.

Swiss Giants—mixed colors.  
Coronation Gold—Pure Gold.  
Ullswater—Blue, blotched blue-black.  
Alpenglow—Rich Wine-red.

VIOLAS.

Avalanche—Pure White.  
Black Prince—Velvety Purple.  
Papilo—Blue and White.  
Puck—Purple and Yellow.  
Blue Perfection—Light Blue.

**75c doz. ppd.**

**100 for \$3.00**

F. O. B. Fairbault

**SURPRISE COLLECTION**  
**100-CHOICE BEDDING PLANTS**  
Our Selection. . . . . **\$1.95**  
LABELED AND PREPAID

Minimum Orders from This Page 60c, on Smaller Orders Add 15c for Packing

## Hotkaps Protect Your Garden!

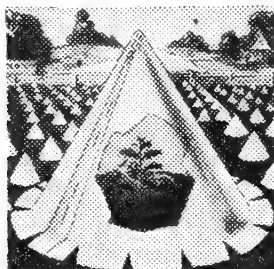


**HOTKAPS** are waxed paper cones, easily set out over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain a perfect mulch. Yield is increased and hastened. Flowers and vegetables mature two to three weeks earlier.

### "HOME PACKAGE" HOTKAPS

	Prepaid to 3rd Zone	Not Prepaid
25 Hotkaps and cardboard setter.....	\$0.60	\$0.50
100 Hotkaps with fibre-board setter.....	2.25	2.00
250 Hotkaps with fibre-board setter.....	3.85	3.50

	HOTKAPS ONLY	
Steel Hotkap Setter, \$1.60, prepaid.	100 Hotkaps. \$ 2.00	\$ 1.75
Fibre-board Garden Setter, each 20c, prepaid.	250 Hotkaps. 3.50	3.35
Weights: 100 Hotkaps, 5 lbs.; 250, 9 lbs.; 1,000, 28 lbs.	500 Hotkaps. 6.25	5.90
	1,000 Hotkaps. 11.35	10.50



## Paxton Hot Houses

Here is crop insurance every grower needs. Hot Houses force growth of plants to bring them on the market two to four weeks earlier than normally. Early crops bring the greatest return.

Hot Houses are new, improved, strong, sturdy, and wire reinforced to withstand extremes of weather. They allow maximum growth. Size 12 inches in diameter and 11 inches in height. Temperature inside of Hot Houses is from 10 to 20 degrees warmer than outside and heat is retained for a long period after outside temperature lowers.

Faster Setting—One man can set 300 to 350 per hour. Get special folder and instructions for setting. Order early.

Price: 25 for 75c, 100 for \$2.15, 250 for \$4.35, ppd. Not prepaid: 500 for \$7.50, 1,000 for \$14.50. Metal Setter \$2.00. (Wt., 35 lbs. per 1,000.)

**2 TO 4 WEEKS EARLIER TO THE MARKET AND TOP PRICES FOR YOUR PRODUCTS—**

## Neponset Flower Pots

Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

### NEPONSET GREEN POTS

	25	100	1,000
PRICES:	Prepaid	Prepaid	Not Prepaid
2 1/2-inch, green..	\$0.35	\$0.95	\$7.25
3-inch, green..	.35	1.20	8.10
3 1/2-inch, green..	.45	1.45	10.10
4-inch, green..	.50	1.55	11.75
5-inch, green..	.60	2.00	16.25



### NEPONSET RED POTS

Not quite as heavy as the green—will stand up under reasonable moisture for several weeks. Used extensively for transplanting and shipping. Reinforced disc in bottom.

	25	100	1,000	Weight
PRICES:	Prepaid	Prepaid	Not Prepaid	Per 1,000
2 1/2-inch pots .....	\$0.30	\$0.80	\$4.95	16 lbs.
3-inch pots .....	.35	.85	5.60	24 lbs.
4-inch pots .....	.40	1.15	7.60	38 lbs.
5-inch pots .....	.50	1.50	10.00	62 lbs.

## Neponset Plant Bands

For starting and growing seedlings—shipping young plants—protection against cutworms.

Neponset Plant Bands are made of heavy durable, waterproof paper. The ingenious side locking construction makes for convenience in setting up. Weights per 1,000—2-in. 17 lbs.; 3-in., 30 lbs.

Plant Bands: Size 2-inch—100 for 60c, prepaid. Not prepaid—500 for \$2.65, 1,000 for \$5.00. Three-inch size, for larger plants, 100 for 70c, prepaid.—Not prepaid, 500 for \$2.80, 1,000 for \$5.25.

## American Berry Baskets

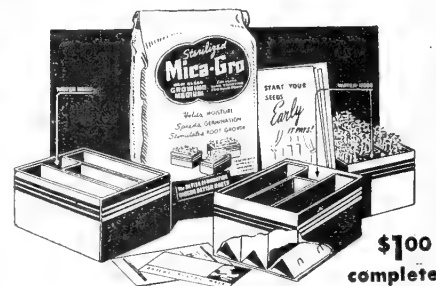
At the time of printing this catalog, satisfactory arrangements for offering berry baskets and crates could not be made. Write us a few weeks before you will be needing Berry Baskets, and we hope at that time to be in position to supply them.

## It Pays To Start Seeds Indoors

### New Seed Starting Kit With Mica-Gro.

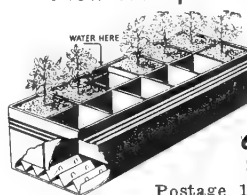
New fit-the-window-sill design; rugged water-tight, moldproof construction; controlled watering from the bottom; and generous fill of sterilized MICA-GRO, the amazingly successful modern seed-starting medium.

Complete kit, as illustrated, has 3 green boxes, 5 1/2 in. long (each with 3 individual seedling trays—9 in all); bag of MICA-GRO; carefully prepared instructions. ALL for \$1.00. Save on 3 kits for \$2.85. Postpaid to 4th zone (600 miles).



**\$7.00 complete**

### New Transplanting Boxes—That Water From Below



**6 for \$7.00**  
Postage 15c.

Ingenuous sub-irrigating features give perfect drainage under the soil and controlled water supply. (Designed for the seedling-to-garden stage, not for seed-starting.)

Set of 6 boxes, 11 in. long, with 66 individual transplanting pots (and 6 water openings) \$1.15, 3 sets (18 boxes, 198 plant capacity), \$3.25. Postpaid to 4th zone (600 miles).

## BOOKS-For Easier Ways of Doing Things

**No. 1—500 TASTY SANDWICHES.** Do you love to entertain—to try something new,—or do you pack lunch boxes for those who can't come home for meals? Then, here is a treasure chest of ideas you will appreciate.

500 recipes for Party Sandwiches, Closed Sandwiches, Double Deckers, Triple Deckers, Hot Sandwiches, Fancy Breads, Fillings and Spreads. A book of 48 pages, fully illustrated, published for the Culinary Arts Institute. You will treasure this collection and want extra books for gifts or prizes. Price 20c, ppd.

**No. 2—250 WAYS TO SERVE FRESH VEGETABLES.** Recipes for delectable dishes of every vegetable. Importance of vegetables to healthful meals. Mineral and vitamin content of fresh vegetables. Selection and preparation of vegetables. 48 pages beautifully illustrated. Price 20c.

**No. 3—500 DELICIOUS SALADS.** Appetizer salads, fruit salads, salad bowls, vegetable salads, moulded salads, salad plates. Chicken salads, fish and meat salads, frozen salads, salad garnishes and dressings. Beautifully illustrated. All newest suggestions. 48 pages. Price 20c.

**No. 4—250 WAYS TO PREPARE MEATS.** New ideas and old favorites, plus pages of pictures that show exactly what to do. How to buy economically, prepare frozen meats. Chart of meat cuts, time and temperature tables. Tells how to prepare beef, lamb, pork, veal, sausages, game, etc. 48 pages. Price 20c, prepaid.

**No. 5—COUNTRY KITCHEN COOK BOOK.** Especially prepared from the best country kitchen recipes—revised and up to date. A storehouse of information—handily indexed. All recipes and menus are accurate, dependable, tested and approved. Everything you want to know about cooking and baking, serving and entertaining. Hundreds of recipes—many charts and illustrations. Makes a wonderful gift. Price 50c, ppd.

**No. 6—TREES AND TREE PLANTING.** The Tree, man's best friend. Planting and care of Trees—names of Trees—description of varieties—many cuts and illustrations. Pocket size, paper covers, 95 pages. Price 50c, ppd.

**No. 7—CHICKEN FARMING.** For flock owners of 50 to 1,000 chickens. Contains practical information on breeding and incubation—rearing chicks—feeding chickens—housing and equipment. Marketing capons and caponizing—chicken diseases, etc., 134 pages. Price 25c, ppd.

**No. 8—TURKEYS.** By Prof. A. C. Smith, College of Agriculture, U. of Minn. Turkey raising now very profitable if properly conducted. Book explains varieties, management, breeding, stock, housing, feeding, eggs, incubation, care of poult, marketing, killing, dressing, diseases, parasites, etc. A most valuable book for poultry men. 132 pages. Price 50c, ppd.

**No. 9—HUNTING SMALL GAME.** Everyone interested in hunting can profit from reading this book. Treats on shotgun types—lengths, accessories—gauge and choke—shells and small game shooting. Guns for upland game—guns for wildfowl, wing shooting, shooting crows, shooting small game with rifle—care of guns—safety in the field—how to dress game. 75 pages. Price 25c, ppd.

**No. 10—BIRDS OF THE MIDWEST.** A bird lover's guide, pocket size. Classified by color and habit. Describes 213 birds, most of which inhabit Minnesota—the two Dakotas, Wisconsin, Iowa, Nebraska, Indiana, Illinois, Michigan, Ohio, Kansas and Missouri. 67 pages. Price 50c, ppd.

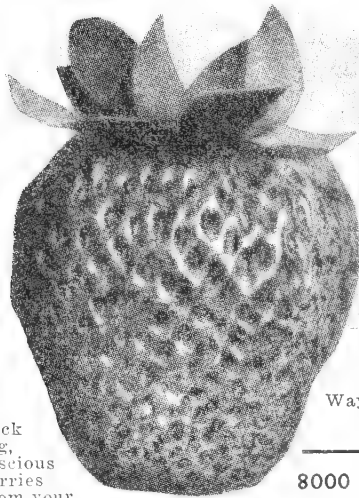
**No. 11—COLORED CONCRETE GARDEN FURNITURE.** Complete plans and simple details so you can make, for fun or profit, garden benches, pottery without molds, flower boxes, bird baths and sundial pedestals in beautifully colored artificial "stone." These attractive articles are permanent additions to any home. Also, how you can build a small concrete mixer from old auto parts and a 60-gallon barrel. Price 25c, ppd.

**No. 12—BIRD HOUSES.** Easy to build homes for all kinds of birds. Complete plans and illustrations, for colony houses, four-apartment log cabins and single apartment houses of rustic design. Also how to build attractive bird baths, cages, feeding stations and table-top aviary. Price 25c, ppd.

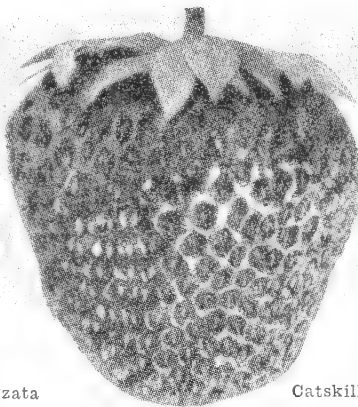


# Northern Grown Strawberry Plants

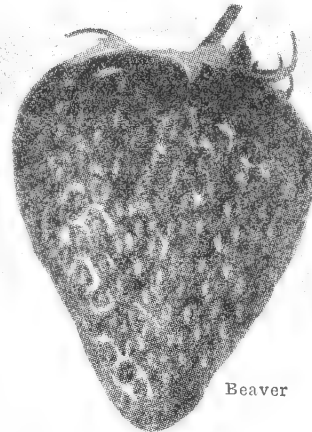
FROM OUR STRAWBERRY PLANT DEPARTMENT • POSTPAID PRICES ARE PREPAID 300 MILES ONLY.



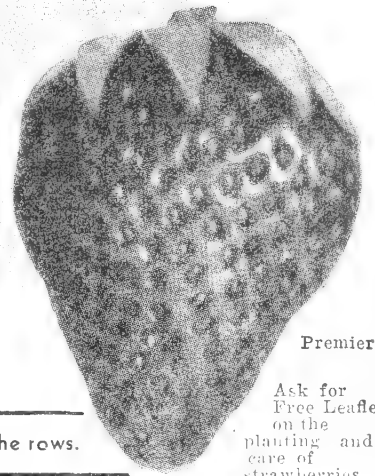
Wayzata



Catskill



Beaver



Premier

Pick big, luscious berries from your own garden.

Ask for Free Leaflet on the planting and care of strawberries.

8000 plants for an acre. Set in rows 4 ft. apart—plants 1 1/2 ft. apart in the rows.

## WAYZATA

### World's Best Everbearer

Large glossy-red berries until snow flies—fruit first season.

Immense glossy-red berries of honey-sweet flavor produced the first season.

Each plant loaded with ripe berries, green berries, and buds.

The "Wayzata" will make more vigorous growth in a shorter period of time than any Everbearing variety grown. If set early in spring, there is always a good crop of runners early in July—they will be loaded with fruit by the beginning of August. This berry has a tendency to grow numerous crowns from a single root and each crown is always loaded with blossom stems. This is the outstanding characteristic of the "Wayzata" and is what makes it a heavy bearer.

Wayzatas are the outstanding cash crop in strawberries. They always bring a premium on the market and are drought and frost resistant. This variety is becoming nationally famous. Price:

Due to last year's unfavorable growing season—the prospects for field grown Wayzata plants are none too promising. We, therefore, cannot quote until they come through the winter. Write us after March 20th.

### SPECIAL—Potted Wayzata Plants

We cannot accept orders for less than 25 plants. Supply limited.

With roots undisturbed, for fast development. 25 plants \$3.00, 50 plants \$5.50, 100 plants \$9.75. Prepaid to 3rd zone.

## SCARLET GEM A New Everbearer

Bears 90 days after planting. Berries are smooth, bright red and ripen uniformly, with no green tips. Firm, fine-flavored, sweet and very productive. A much improved offspring of the old Progressive Everbearing variety.

Price: 50 plants \$1.75, 100 for \$2.75, prepaid.—Not prepaid: 500 plants \$8.50, 1,000 plants \$16.00. (Weight 500 plants, 20 lbs.)

## SENATOR DUNLAP

### The Famous Old Reliable

June Bearing

Beautiful, glossy, dark red color all through, the flavor is delicious, mild and sweet. Wonderful for canning and preserves. The berries are medium to large in size, and medium firm—excellent for home use and local markets. Plants are healthy, fast growers and make runners freely. A dependable midseason sort.

Price: 50 for \$1.00, 100 for \$1.75, prepaid.—Not prepaid, 500 for \$6.00, 1,000 for \$10.00.

## BEAVER

### Earliest of All

June Bearing

A richly colored berry, firm and red clear through, especially recommended for canning as it retains its color in the can. Extra early, a heavy yielder and an excellent shipper. Plants thrive best on sandy soil. Price: 50 for \$1.35, 100 for \$2.25, prepaid.—Not prepaid, 500 for \$7.00, 1,000 for \$12.00.

## PREMIER

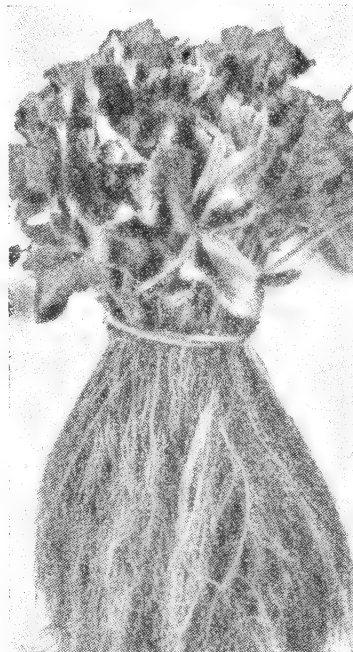
### Early, of Fine Quality

June Bearing

An early June bearing variety—always giving satisfaction and ranking first in popularity among leading horticulturists. Fruit is of large size, bright red. Quality and fruit flavor exceptionally fine. Will withstand drought and is one of our best shippers.

Price: 50 for \$1.35, 100 for \$2.25, prepaid.—Not prepaid, 500 for \$7.00, 1,000 for \$12.00.

LEAFLET ON STRAWBERRY CULTURE  
FREE



Our Scarlet Gems are young, vigorous rooted plants. Northern Vigor means a lot in successful strawberry culture.

## CATSKILL

For Midseason

Considered the best mid-season variety—a strong, vigorous grower and a sure cropper. Originated by New York Experiment Station.

The berries are very large and bright in color—quality equal to Premier. Catskill will be in big demand as it is a heavy producer—sells readily in the market and is proving itself a real money maker.

Price: 50 for \$1.35, 100 for \$2.25, prepaid.—Not prepaid, 500 for \$7.00, 1,000 for \$12.00.

## FAIRFAX

### Large, Firm and Delicious

June Bearing

Introduced by the Department of Agriculture and a wonderful plant maker. Thrives in all kinds of soil, and withstands frost and adverse weather conditions remarkably well. Fairfax bears early fruit of good size and of rich carmine-red color. Its long picking season is especially desirable. For home or market this berry will always make good. Price: 50 for \$1.35, 100 for \$2.25, prepaid.—Not prepaid, 500 for \$7.00, 1,000 for \$12.00.

## AMERICAN BERRY BASKETS

At the time of printing this catalog, satisfactory arrangements for offering berry baskets and crates could not be made. We suggest writing us a few weeks before you will be needing berry baskets, and we hope at that time to be in position to supply them.

## EVERY GARDENER NEEDS THE

### "ALL PURPOSE" Garden Hoe

for Cultivating  
Weeding  
Mulching



So easy to handle—so much lighter, faster and better. You'll never go back to the ordinary hoe. You'll find it handy also to use around perennials, shrubs and evergreens. Amazingly efficient for mulching, cultivating, and weeding. Nurserymen buy them by the dozen. Weighs only 1 1/2 lbs. yet stronger than other garden hoes. Gooseneck spring-steel shank permits close cultivation. Act promptly—your money back if not delighted. Price \$1.20, prepaid.

\$1.20  
ppd.

Plant Wayzatas for a Real Cash Crop in the Fall. No Other Everbearer Can Match Its Flavor

FROM OUR  
*Northern  
Nursery*

# Hardy Minnesota Grown TREES & PLANTS

Common rooted fruit trees  
shipped from sections further south.  
may look the same as northern rooted trees—

may even start all right in favorable seasons. But  
when the first hard winter comes along, and there is little  
or no snow for protection, common rooted trees are quite sure  
to be injured or even killed, leaving a dead or crippled orchard.

An apple tree is no harder than the root it is grafted upon. Hardy  
root stocks are as vital to your orchard as a good foundation  
is to your home.

Actual tests show that common, tender root  
stocks are the greatest cause of failure  
in the orchard. Com-  
mercial growers  
know how important  
root stocks are to the  
life of their trees.  
You too, can depend  
on our northern  
rooted fruit trees.

BEWARE OF COMMON ROOTED, SOUTHERN GROWN STOCK

**PLANT NORTHERN ROOTED  
FRUIT TREES**



A—Northern Rooted McIntosh, 15 years old. B—Common Rooted McIntosh, 15 years old.  
In comparative tests, 50 common rooted trees and 50  
northern rooted trees of the same size and age were  
planted under identical conditions.

Note the vast difference at 15 years. Of the original  
50 common rooted trees, many are gone entirely.

Those remaining are less than one-third the  
average size of the northern rooted  
trees, and have borne only  
one-fifth as much fruit.

## EARN FREE GIFTS With Your EARLY Nursery Order Look for the 3 Stars: ★ ★ ★

Order Nursery Stock from any 3 star page (any page  
marked with 3 stars at the top: ★ ★ ★). Send us this order  
with full remittance **BY MARCH 15, 1944** and you may  
choose from the FREE Gift list below as follows:

With such orders of \$3.50 to \$5.00 select 1 gift below.  
With such orders of \$5.00 to \$7.00 select 2 gifts below.  
With such orders of \$7.00 to \$10.00 select 3 gifts below.  
With such orders of \$10.00 and up select 4 gifts below.

- (A) 1 Red Leaf Barberry, 2 yr.
- (B) 1 Golden Elder, 2 yr.
- (C) 1 Dwarf Pink Spirea, 2 yr.
- (D) 1 Red Quinceberry, 2 yr.
- (E) 1 Hydrangea Snowhill, 2 yr.
- (F) 1 Weigelia, 2 yr.
- (G) 2 Bittersweet Vines, 2 yr.
- (H) 1 Baby White Birch, 2 yr.
- (I) 1 Baby Lombardy Poplar, 2 yr.
- (J) 3 Sunrise Raspberry, 2 yr.

Gifts must be REQUESTED on orders and are given only  
on 3 star NURSERY ORDERS sent us by Mar. 15. We re-  
serve the right to substitute if some items are out.

## \$1.00 Nursery Bargains

- 2 Hardy Winter Apples, 2-3 ft. (our selection).....\$1.00, ppd.
- 2 Jumbo Plums, 18-24 in. (our selection).....\$1.00, ppd.
- 2 Hardy Cherries, 18-24 in. (our selection).....\$1.00, ppd.
- 2 Hardy Wine Grapes (mailing size).....\$1.00, ppd.
- 2 Red Berried Mt. Ash, 2-3 ft. ....\$1.00, ppd.
- 2 White Birch, 2-3 ft. ....\$1.00, ppd.
- 2 Colorado Blue Spruce, 9-12 in. (transplants).....\$1.00, ppd.

## FREE SURPRISE INCLUDED WITH EXPRESS SHIPMENTS

With express shipments of nursery stock amounting to \$4.00  
or more we will include a FREE SURPRISE to help offset  
the shipping charge which you pay. You also get better  
quality, heavier rooted stock in express shipments,  
since we need not restrict package weight and length,  
as in parcel post shipments.

Full Planting Instructions are Sent with  
Every Order

## About Shipping

**SMALL ORDERS**—On nursery orders under \$1.00, it is necessary to  
include 15c extra packing charge due to high cost of properly pack-  
ing live plants. No packing charge on orders of \$1.00 or more.

**SHIPPING CHARGES**—Nursery orders in which all items are quoted  
prepaid, (such as berries, grapes and roses) will be sent prepaid to  
the 4th zone or 600 miles only. Be-  
yond that, extra postage will be  
requested.

**NOT PREPAID ITEMS** are too  
large to mail, and will be shipped  
express or freight. Customer to  
pay express or freight charges  
when he receives shipment.

**ORDERS CONTAINING BOTH**  
Prepaid and Not Prepaid Nursery  
items will be sent in one shipment  
by express, not prepaid. With  
these shipments we will include  
extra stock representing a greater  
value than the postage on any pre-  
paid items included in shipment,  
would amount to.

**NO NURSERY SHIPMENTS INTO**  
**THESE STATES**—because of great  
distances and high permit fees: Florida, New Mexico, Nevada, West  
Virginia and Canada.

**SHIPPING TIME**—We start shipping about March 15, depending on  
weather, and continue through April and May. We try to have ship-  
ment arrive at best planting time in your section.

## About Landscape Plans

If you are anxious to secure an accurate,  
properly balanced landscape plan that is  
tailor made to fit your home grounds com-  
plete with specifications, laid out in an easy  
to read manner, send for our Sketch Sheet.

On this sheet are full instructions  
to help you in making up the  
rough sketch for your home and  
grounds.

**SEND US A SKETCH AND MEAS-  
UREMENTS OF YOUR GROUNDS.**

Upon receipt of your rough  
sketch and \$5.00, our landscape  
department will prepare a com-  
plete plan, together with a planting  
list, of hardy evergreens, trees,  
and shrubs best suited to your soil  
and conditions. This fee applies to  
average city lots. Larger area  
plans, priced in proportion.

**MONEY SENT FOR PLAN WILL  
BE APPLIED ON ORDER.**

If your nursery order totals  
\$40.00 or more, the \$5.00 will be  
lately free.

If you desire a foundation planting only, the landscape fee is  
\$2.50 and will be credited on your nursery order of \$25.00 or more.  
No plans can be prepared after March 15.

## OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Cer-  
tificate and is guaranteed true to name and in good growing  
condition. If for any reason you do not find everything just as  
represented, notify us at once and we will order shipment re-  
turned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will  
replace at half the catalog price, the following spring, if loss is  
reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

# Certified RASPBERRY PLANTS ★ ★ ★

Minnesota Grown and State Inspected Plants

## BIG RED LATHAM

*One Inch in Diameter!—*

The nationally known King of Red Raspberries. Originated in Minnesota, and grown everywhere. A perfectly hardy, strong, vigorous grower, outyielding all others. Most profitable for market. Quantity prices below.

## RED CHIEF—Ten Days Earlier

Popular early variety—most profitable for early marketing. For continuous fruit production we recommend Chief and Latham. Excellent quality and good yielder. Quantity prices below.

## INDIAN SUMMER

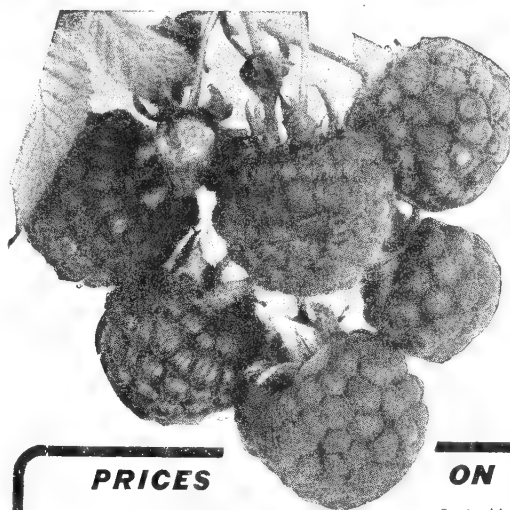
*Everbearing Red Raspberry*

A new Two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. A real chance to profit from fall marketing. Quantity prices at right. See color photo—front cover.

## NEW U. S. SUNRISE

*Extra Early—Fine Quality*

A brand new red raspberry just released by U. S. Dept. of Agriculture. Be the first to grow this super quality fruit! It's extra early—(2 weeks ahead of Latham), yet berries are large and have better texture, finer quality and more flavor than Latham. Very hardy and disease resistant. Supply limited. Prices at right. Color photo page 40.



**FREE** 5 Page Leaflet on Planting and Care of Red Raspberries.

## CUT GROCERY BILLS

*Grow Your Own Raspberries*

Why pay 15c to 25c a pint when you can grow them in your own yard so easily and cheaply. A few dozen plants take very little room and will supply your table for many years to come!

## NEW SODUS

*Purple Cap Raspberry*

A new Raspberry especially noted for fruit production. Berries are large, firm, fine quality and have a wine-red, purple color. You will prize this variety highly. Quantity prices below.

### PRICES

### ON RASPBERRY PLANTS

	Size	12	Postpaid to 4th Zone				Not Prepaid (Freight or Express)		
			25	50	100		200	500	1000
Latham or Chief	1 yr. Standard.....	\$1.75	\$2.49	\$4.65	\$8.95		\$16.45	\$32.85	\$60.00
	2 yr. Bearing.....	2.35	3.35	6.25	11.85		21.85	43.85	75.00
Indian Summer or New U. S. Sunrise	1 yr. Standard.....	2.35	3.35	6.25	11.85		21.85	43.85	75.00
	2 yr. Bearing.....	2.65	3.85	7.25	13.25		24.65	48.95	84.65
Sodus Purple Cap	2 yr. only.....	2.95	4.25	7.95	14.75		27.45	54.50	94.00
Alfred Blackberry	2 yr. Only.....	2.95	4.25	7.95	14.75		27.45	54.50	94.00

## BERRIES

### BLACKBERRY ALFRED

A crop the second season. Berries are twice as large as ordinary blackberries—often 1½ inches long. The ideal table berry—of fine flavor and practically coreless, with but few small seeds. Stands 35 below zero.

(See Prices under Raspberries, above.)

### JUNE BERRY

Resembles the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. But it's easy to grow and quick to bear. No special care—thrives in any soil—very hardy. It's an ornamental shrub with edible fruit. Price: 2 plants, Mailing Size \$1.00, prepaid. (Larger Stock Page 38.)

### CRANBERRY Highbush →

Beautiful flowering shrubs, later loaded with huge clusters of bright red berries that hang on way into winter. Berries make jelly that looks and tastes exactly like grocery cranberries. See inside front cover. Price: 3 plants, Mailing Size \$1.00, prepaid. (Larger Stock Page 38.)

### MAMMOTH BOYSENBERRY

The largest bramble berry. Berries are 1½ to 2 inches long, and of purple color. Flavor is superb and rich. A pleasing blend of Raspberry and Dewberry—fine for eating fresh or canned. A real money maker for market. Requires some winter protection.

PRICES: 12 for \$2.35, 25 for \$3.35, 50 for \$6.25, 100 for \$11.85, prepaid.

### JUMBO BLUEBERRY

Giant Blueberries—two to three times as large as native ones, grow on beautiful ornamental bushes with bell-shaped pinkish blossoms. Make delicious sauce and pies! Planting directions free. They require acid soil, so these plants come packed in acid humus. Strong plants furnished—no replacements made.

2 plants, 2-yr. size, balled in earth, \$2.50, prepaid.

4 plants, 2-yr. size, balled in earth, \$4.25, prepaid.

## GRAPES

### FREDONIA Early Black Grape

The earliest large-berried Grape for the North—three weeks earlier than Concord. Vines are vigorous—clusters of medium size, very compact. Offers great opportunities for market or home use. Prices below.

### BETA GRAPE Hardy as Wild Grapes

Always dependable, producing heavy crops every year. Fruit of medium size, good quality, early—excellent for jelly and grape juice. Prices below.



## CURRANTS

### RED LAKE CURRANTS (Minn. 24)

A Minnesota introduction producing heavy crops of big, red berries in long clusters. The bushes are strong and vigorous with healthy foliage. Makes beautiful sparkling bright red jelly. Prices below.

## GOOSEBERRIES

### CARRIE GOOSEBERRIES

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Professor Hansen as foremost in quality and productiveness. No shipments made to Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island, Vermont. Prices below.

### NEW "PIXWELL" GOOSEBERRIES

Developed by Dr. Yeager at North Dakota Station. Has very few, soft thorns. Berries hang 2 inches below branches and are much easier to pick than other kinds. Extremely hardy even in Canada. The large bushes bear heavy loads of super-quality fruit.

### PRICES ON GRAPES—CURRANTS—GOOSEBERRIES

		Each	Two	Six	Ten
GRAPES: Fredonia Beta	2 yr., postpaid.....	\$0.50	\$0.95	\$2.50	\$4.00
CURRANTS: Red Lake	2 yr., postpaid.....	.60	.98	2.75	4.50
GOOSEBERRIES: Carrie Pixwell	2 yr., postpaid.....	.60	.98	2.75	4.50
	2 yr., postpaid.....	1.00			



# Improved APPLES

## ALL NORTHERN ROOTED TREES

PRICES BELOW

**IMPORTANT!** Protect your investment in fruit trees for years to come, by insisting on Northern Rooted Stocks. Beware of southern grown, common rooted trees. See the difference on page 30.

### Reliable Old Favorites

**BIG RED HARALSON APPLE**—Produces a good size, deep red, winter apple of excellent flavor, with outstanding keeping qualities—keeping in perfect condition until late spring. It is free from blight and, best of all, has the tendency to bear early. (See page 41.)

**CORTLAND**—(Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top-notch quality make it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees.

**VAN BUREN'S RED DUCHESS**—A new summer apple, with all the Duchess qualities of hardiness, earliness, and heavy yield. In addition, it has HIGH RED COLOR. (Page 40.)

**WEALTHY**—The leading apple for its season (Sept. to Jan.). The fruit is large, a beautiful shade of deep red, and the flavor excellent. One of the best eating apples grown in the Northwest. A good keeper and heavy yielder.

**DELICIOUS**—A favorite winter apple for commercial and home orchards. Fruit large, flesh fine grained, sweet, juicy and really delicious. Our northern rooted stock is hardy in favorable locations.

**ANOKA**—Summer apple, very early to ripen, which bears the second year. Resists blight and produces a consistent crop.

**MCINTOSH RED**—(See Cortland above.)

**NORTHWESTERN GREENING**—The fruit is very large, smooth, handsome, turning yellow as it matures. In good demand as a baking and cooking apple for late winter and spring. Season, December to March.

**YELLOW TRANSPARENT APPLE**—Delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor.

### The Finest in Crabs

(Ornamental Crabs—See Page 34)

**NEW PIOTOSH CRAB**—A new crab from Canada that's even better than Whitney for eating, canning, pickles, or preserves. Medium large, bright red color, very attractive. Bears heavier than Whitney, with better quality, flavor and hardiness. See page 41.

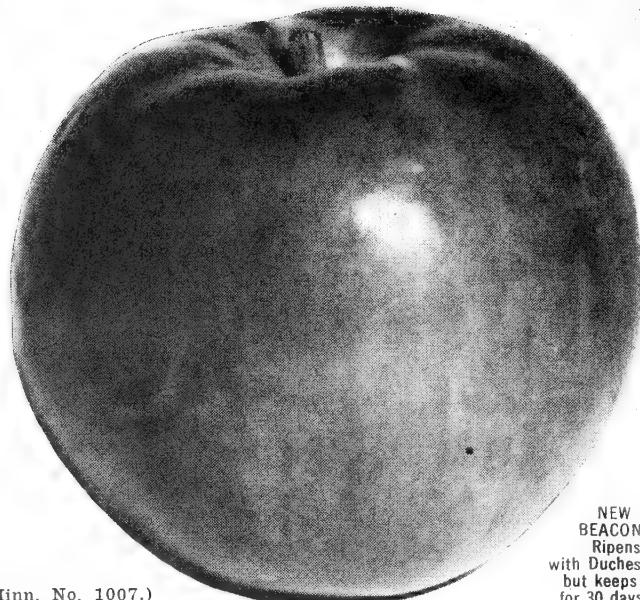
**NEW "RED RIVER" CRAB**—A North Dakota triumph! A cross of Dolgo ("Beauty Crab"), and the famed Delicious Apple. Result—a new "glamour fruit" combining the beauty, color and zip of Dolgo with the sweet flavor of Delicious. A good sized crab—hardy even in Canada.

**RED FLESH CRAB**—A novel crab of striking appearance. Red flowers, bright red apples with red flesh! Makes brilliant red apple sauce, jam or jelly. Delightful flavor. Perfectly hardy.

**WHITNEY CRAB**—A favorite in the home for canning and preserving. Fruit is of good size—very highly colored. Immense crops.

**DOLGO, THE LAWN TREE CRAB**—Has rare beauty as an ornamental lawn tree, and is perfectly hardy. The apple itself is a very rich red, and jells perfectly, even when dead ripe. A fine canning crab.

New ★ ★ ★  
Experiment  
Station  
Apples!



NEW  
BEACON  
Ripens  
with Duchess  
but keeps  
for 30 days

**NEW PRAIRIE SPY**—(Minn. No. 1007.) A new long-keeping, super quality apple, so far superior to others marketed after Christmas, that a ready market awaits all that can be grown for many years. Very productive and fruit hangs well to trees. No finer quality anywhere. Perfectly hardy anywhere in Minnesota. (See page 40.)

**NEW BEACON**—(Minnesota No. 423.) Early fall red eating apple. Ready before Wealthy or McIntosh. Ripens but a few days later than Duchess and will keep a month after harvest. It is highly colored, fine quality and solid red. Hardy, very productive. (Page 40.)

**MINNESOTA NO. 638**—A "Winter Wealthy" that's beautifully colored, solid red, of finest quality with mild, pleasant flavor. Keeps through January. Fruit hangs to tree in high wind. Produces abundant crops year after year. Page 41.

**MINNESOTA NO. 790**—A splendid new large red winter apple. Hardier and considered superior to Roman Beauty, popular baking apple. No. 790 is highly prized for size, color, flavor and hangs well on the trees. (Pg. 41.)

## 3 Brand New Apples Just Released!

Greatest achievement of Minnesota State Fruit Farm! Not only are these remarkable apples far harder than McIntosh, Delicious, and Jonathan, BUT the improved quality, flavor and yield are amazing! They open a new era in fruit growing. Be among the first to grow them! Supply limited, see special offer on back cover.

**NEW VICTORY**—A McIntosh type but vastly improved in flavor, texture, and dessert quality. A better cooker and baker—better for sauce and pies, finer color and more firm. Hangs well to the tree 'till ripe and keeps in good condition a month longer than McIntosh. 2-yr. size (3 to 5 ft.) \$1.50 each, not prepaid. 3-yr. size (4 to 6 ft.) \$1.95 each, not prepaid.

**NEW "MINJON" APPLE**—A Minnesota Jonathan, so hardy it thrives and produces far North. Bears abundantly and regularly—heavy loads of brilliant all-red apples. Ripens with Wealthy, but colors better, hangs to tree better. 2-yr. size (4 to 6 ft.) \$1.50 each, not prepaid. 3-yr. size (5 to 7 ft.) \$1.95 each, not prepaid.

**NEW FIRESIDE**—NOW! A MINNESOTA DELICIOUS that's hardy for the North! Truly a triumph of fruit breeding. Flavor and texture even better than Delicious, although fruit is not so highly colored, Fireside is a large, long keeping winter apple with the finest flavor ever produced at Minnesota's Fruit Farm. Flesh is crisp, sweet, juicy—never becomes "flat and mealy." Supply limited. Order early. See color photo and special offer on back cover.

2-yr. size (4 to 6 ft.) \$1.50 each, not prepaid.  
3-yr. size (5 to 7 ft.) \$1.95 each, not prepaid.

Don't Let  
RABBITS

Injure your young  
fruit trees.

Protect them during  
the winter from  
damage by rabbits  
and mice by paint-  
ing trunks with

SULPHONOL.

One pound treats 20  
small trees.

1 POUND, 45c  
postpaid

### APPLE TREE PRICES

ALL FRUIT TREES ARE SHIPPED EXPRESS NOT PREPAID

STANDARD VARIETIES:		SIZE	1 to 4 EACH	5 to 9 EACH	10 or more EACH
Haralson	N. W. Greening	} 3 to 5 ft. .... 4 to 6 ft. .... 5 to 7 ft. ....	\$ .89 .98 1.25	\$.84 .93 1.20	\$.79 .88 1.15
Duchess	Cortland				
Delicious	Wealthy				
Anoka	Transparent				
NEW APPLES:					
Prairie Spy	Minn. 638	} 3 to 5 ft. .... 4 to 6 ft. .... 5 to 7 ft. ....	\$.89 .98 1.25	\$.84 .93 1.20	\$.79 .88 1.15
Beacon	Minn. 790				
BRAND NEW RELEASES:					
New Victory		} (See prices under descriptions above). Special Offer on Back Cover.			
New Fireside					
New Minjon					
CRABS:					
Piotosh	Red River	} 3 to 5 ft. .... 4 to 6 ft. .... 5 to 7 ft. ....	\$.89 .98 1.25	\$.84 .93 1.20	\$.79 .88 1.15
Dolgo	Whitney				
Red Flesh	(no 5 to 7 ft.)				

# JUMBO PLUMS

**SUPERIOR**—A hardy plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. As large as California plums, surpassing them in quality and hardiness. Firm flesh, beautiful red color, peels like a peach. Color photo page 41. Prices below.

**KAGA**—(Pollinator.) An outstanding canning plum originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct, delicious flavor, and is sometimes called the apricot plum. For canning or jam, it is unsurpassed. A fine pollinator for any plums offered on this page. Prices below.

**UNDERWOOD**—Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Kaga should be planted close together to insure setting of fruit. Prices below.

**EMBER**—A recent origination of our State Fruit Breeding Farm. A late plum of good size with fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the trees until fully ripe, and keeps in good condition for weeks. Prices below.



SEE COLOR PHOTOS!  
NEW PLUMS - CHERRIES

inside front cover — pages 40 and 41.

# New Plums JUST RELEASED

## NEW REDCOAT—(Free Stone)

This brand new Minn. State Fruit Farm plum bears heavy loads of choice quality, all red, prune shaped fruit, with a perfectly free stone. A grand improvement over Red Wing and older plums. Color photo page 41. Prices below.

## NEW PIPESTONE PLUM

Minnesota's newest "JUMBO" Plum! Largest of all and much better than most plums now grown. Extra early—ripens first week in August. A heavy cropper—exceptional eating quality and also excellent for canning. Prices below.

## NEW SUGAR PLUM—(Pollinator)

Sugar Plum (South Dakota 27) has proved a most efficient pollinator for other plums on this page. It's a most attractive red and yellow plum of delightful flavor. Ideal for eating out of hand or canning. Prices below.

## Minnesota Grown

# HARDY CHERRIES

## OPATA CHERRY—(Pollinator)

Bears loads of dark purple red cherry-plums, generally the 2nd year. Excellent to eat out of hand. Fruit ripens very early in August, is thin skinned and has very small pit. A good pollinizer for Sapa and Oka. (See Page 40.)

## OKA CHERRY

A fine hardy hybrid cherry, with skin and flesh a rich purple-red color. The meat is firm, juicy and of superb flavor. The trees are immensely productive and fruit regularly. Should be grown in bush form as suggested for Sapa. For best results plant with Compass Pollinator Cherry or Hansen Bush Cherry. Prices below.

## COMPASS CHERRY—(Pollinator)

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc.

See color photos

—page 40.

—inside cover



## Special New Bush Cherries

## HANSEN'S BUSH CHERRY

Produces loads of deep red fruit very early. Makes finest jam. Stands severe drought. Ideal for hedges or foundation planting. A midjet sensation in full bloom. Silver-green foliage turns red and gold in fall. Order at least 2 plants to insure pollination. Prices: 2 to 3-ft. plants, 75c each; 18 to 24-inch plants, 55c each, not prepaid.

## NEW NANKING CHERRIES

Originated by the Minnesota Fruit Breeding Farm. Especially selected and bred for the excellence and abundance of their fruit, as well as for their beauty as ornamental shrubs.

Bear great crops of fine cherries! Fruit is so abundant it takes but a few minutes to pick a quart or two in your own yard for making fresh cherry pie or sparkling jelly. The shapely bushes grow 7 ft. tall, work well into a planting about the house or shrub border. Apple-blossom pink buds appear very early and open to pure white. Nanking starts bearing 2nd year and by the 3rd season branches are literally covered with bright red fruit of superb quality for pies, preserves, jam or jelly. Order at least two plants to insure pollination. Prices below.

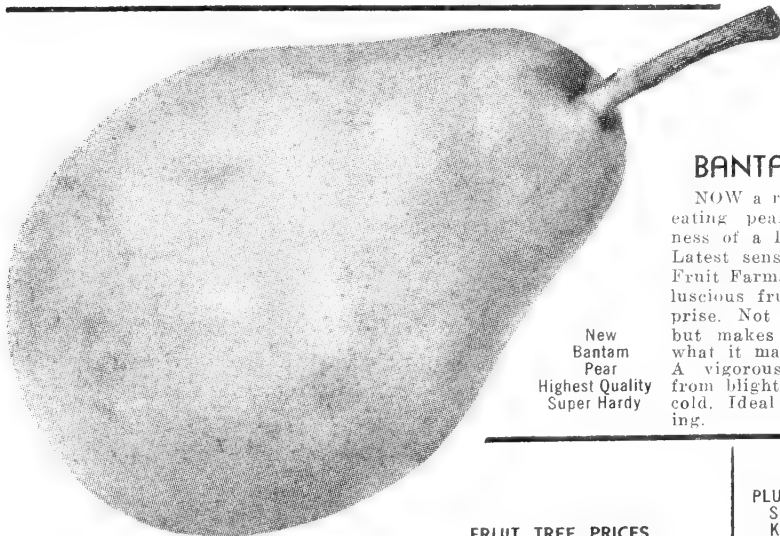
## SECRETARY OF AGRICULTURE URGES MORE FRUIT PLANTING

Secretary Wickard emphasizes the urgent need for better nutrition in the United States, as part of the Victory Program, not only the immediate effort, but also the long-run strengthening of our democracy. Twice as much fruit as now consumed, is advocated.

## STOP PREMATURE DROPPING of Apples—Plums—Cherries with FRUITONE

See Page 76

Circular Free



## BANTAM PEAR

NOW a real high-quality eating pear, with hardiness of a Duchess Apple! Latest sensation of Minn. Fruit Farm. Flavor of the luscious fruit—a big surprise. Not a large pear, but makes up in quality what it may lack in size. A vigorous grower, free from blight, stands severe cold. Ideal for lawn planting.

## PARKER PEAR

Introduced by the Minnesota State Fruit Farm, this splendid pear is now recommended for the southern half of Minnesota and similar latitudes. The fruit is medium to large, with smooth skin; the color, yellow-bronze with faint blush. Flesh is fine-grained, tender, sweet, and juicy. Fruit ripens in early Sept. (Page 41.)

## PATTEN PEAR

This pear has been thoroughly tested and is now recommended for planting in southern Minnesota and suggested for trial in favorable locations farther north. The fruit is of good size, resembles Bartlett in form and color; very tender, juicy and of good quality. Season September.

## PEAR TREE PRICES

VARIETY	SIZE	FRUIT TREE PRICES ARE NOT PREPAID		By Express Not prepaid
		1 to 4 EACH	5 or more EACH	
Bantam	3 to 5 ft.	\$1.10	\$1.05	}
Parker	4 to 6 ft.	1.35	1.30	
Patten				

ALL FRUIT TREES ARE SHIPPED BY EXPRESS OR FREIGHT, COLLECT FOR SHIPPING CHARGES

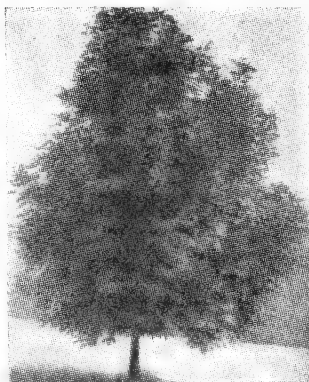
## PRICES: PLUMS - CHERRIES

PLUMS:		SIZE	1 to 4 EACH	5 or more EACH	Shipped Express Not prepaid
Superior Kaga Redcoat Sugar Plum	Underwood Ember Pipestone	3 to 5 ft. ....	\$1.10	\$1.05	
		4 to 6 ft. ....	1.35	1.30	
STANDARD CHERRIES:					
Opata Oka (3 to 5 only)	Compass	3 to 5 ft. ....	1.10	1.05	
		4 to 6 ft. ....	1.35	1.30	
NEW CHERRIES:					
Nanking		2 to 3 ft. ....	1.25	1.20	
		3 to 4 ft. ....	1.45	1.40	
Hansen (see prices under description above).					

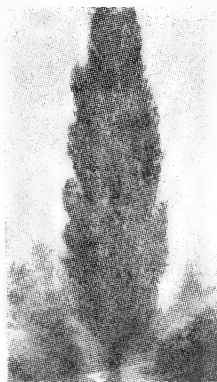
Add 15c for Packing Cost on Nursery Orders if Less than \$1.00.



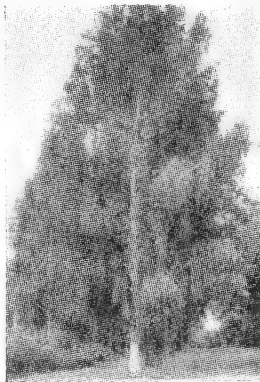
Red Schwedler Maple  
5-6 ft. Trees, \$1.95 Each



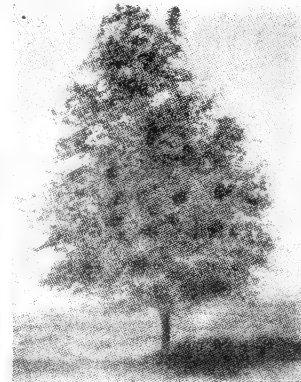
Hard or Sugar Maple  
5-6 ft. Trees, 95c Each



Lombardy Poplar  
5-6 ft. Trees, 75c Each



Cut Leaf Birch  
5-6 ft. Trees, \$2.75 Each



Chinese Elm  
Large 8-10 ft. Trees, \$1.50 Each

## Shade and Ornamental Trees Improve Your Property - (No Priority Restrictions)

### Maples

**HARD OR SUGAR MAPLE**—The very finest in stately beauty and permanence for lawn and boulevard. Gorgeous foliage, especially in autumn when leaves turn to clear yellow and scarlet.

**SILVER OR SOFT MAPLE**—A rapid grower for quick effect. Leaves appear in early spring, are bright green in color with lower side silvery.

**NORWAY MAPLE**—Popular for its attractive dome shaped head. Grows to large size, with deep green foliage which turns yellow in autumn.

**RED SCHWEDLER MAPLE**—Striking purplish-erimson leaves, turning bronze-green in midsummer. Shaped like Norway Maple—a thing of beauty in the yard!

### Ash

**MOUNTAIN ASH, EUROPEAN**—Very showy lawn tree with its white flowers followed by large clusters of bright orange berries, in autumn. Beautiful dark green foliage.

### Basswood

**AMERICAN LINDEN (BASSWOOD)**—A rapid grower and perfectly hardy. Grows in pyramidal form, has large leaves and fragrant flowers.

### Walnut

**BLACK WALNUT**—Large, well shaped, majestic shade trees. Valuable for lawn planting, and for its timber and choice nuts.



American Elm—grandest of all shade trees. Large 8-10 ft. trees, \$1.35 each. Smaller sizes listed at right.

**AMERICAN ELM**—The most popular hardy native tree. Grows tall, graceful and spreading. Very hardy. Grandest of all permanent lawn and boulevard trees.

**CHINESE ELM, SIBERIAN STRAIN**—The fastest growing shade, ornamental or windbreak tree. Very hardy—resistant to drought and extreme temperatures. Attains a height of 60 ft., and girth of 12 ft. or more.

### FLOWERING CRABS

for Sensational Beauty  
in your yard!

(See color photo on page 39)

**RED SILVER**—Red from top to bottom, in leaf, blossom and fruit! Delicate silver under leaves. Reddest blooms of any crab. It's striking! (See Color Photo Page 39.)

**HOPA (ROSE PINK)**—A most beautiful Flowering Crab. Ideal for the North. Blood-red buds, followed by a profusion of large, single, deep rose blossoms, which remain longer than others. Fruit makes fine jelly.

#### PRICES - (RED SILVER & HOPA)

3 to 4 ft. trees: \$1.25 each, 2 for \$2.35

4 to 6 ft. trees: \$1.50 each, 2 for \$2.65

(By Express-Not Prepaid)

#### NEW CHINESE FLOWERING CRAB

—Introduced from the Mountains of Manchuria. The hardiest flowering crab known. Resistant to disease, cold and drought. One of the first to bloom in spring. Carries great loads of blooms that are more delicate, more graceful than other ornamental crabs.

4 to 5 ft. trees 95c each; 5 to 6 ft. trees \$1.25 each; 6 to 8 ft. trees \$1.50 each, by express, not prepaid.

### Poplars

**LOMBARDY POPLAR**—Forms a tall, slim, symmetrical column, tapering to a pointed top. Ideal for landscape effect and screen planting—a rapid grower.

**BOLLEANA POPLAR**—Similar in form to Lombardy, but the rich green leaves are silver white beneath, and shimmer when turned by breeze. Beautiful, smooth grey-green bark.

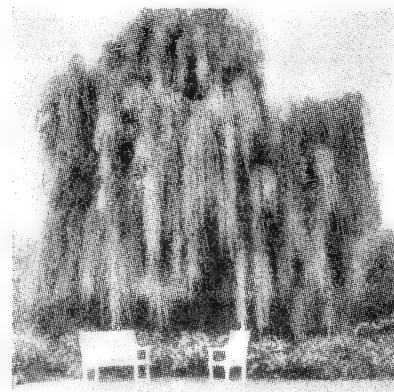
### Birch

**CUT LEAF WEeping BIRCH**—Admired for its delicately cut foliage on graceful drooping branches, and silvery white bark! Best in moist locations.

**WHITE BIRCH**—A graceful tree with silvery white bark. Most effective when planted in clumps among evergreens.

### Willow

**NIobe WEeping WILLOW**—Graceful drooping form—lovely golden bark, and silver lined foliage. Very hardy.



Niobe Weeping Willow. 6-8 ft. Trees, 95c Each

### PRICES ON LAWN AND BOULEVARD TREES

Prices are not prepaid—Trees are shipped Express or Freight

5 to 6 ft.		6 to 8 ft.		5 to 6 ft.		6 to 8 ft.									
Each	Two	Each	Two	Each	Two	Each	Two								
MAPLES:				ELMS:											
Hard Maple.....	\$0.95	\$1.75	\$1.25	\$2.35	American.....	\$0.75	\$1.35	\$0.95	\$1.75						
Norway Maple.....	1.25	2.35	1.50	2.65	Chinese.....	.75	1.35	.95	1.75						
Schwedler Maple.....	1.95	3.75	2.45	4.55	POPLARS:										
Soft Maple.....	.85	1.55	1.25	2.35	Lombardy.....	.75	1.35	.85	1.55						
MOUNTAIN ASH.....				.95	1.85	1.25	2.40	Bolleana.....	1.50	2.85	2.00	3.85			
BASSWOOD.....				1.45	2.75	2.25	4.25	BIRCH:							
BLACK WALNUT.....				1.25	2.35	1.85	3.65	Cut Leaf.....	2.75	5.40	3.75	7.35			
								White.....	1.25	2.35	1.75	3.00			
								NIOBE WILLOW.....				.75	1.35	.95	1.75



# ★ ★ ★ Plant a Hardy Hedge this year ★ ★ ★

## CHINESE HEDGEWOOD

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be trimmed to any height desired.

## BUCKTHORN

A very hardy and dense tight ornamental hedge. Properly sheared will give a very formal effect.

## PYGMEA CARAGANA

A new dwarf shrub ideal for a low hedge because it requires little pruning and naturally maintains a dwarf compact shape. Foliage is fine and dense. Hundreds of small golden yellow flowers in spring. Extremely hardy and drought resistant. Grows well in sunny locations.

## BARBERRY THUNBERGI

Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

## ARBORVITAE EVERGREEN HEDGE

Of all evergreens, American Arborvitae seems best adapted to hedge purposes. It's slower to develop than the hedges above, but its beauty and effectiveness are admired winter and summer. Can be trimmed to any shape and height desired. Makes a splendid low formal hedge or a high screen hedge. Set plants 18 inches apart.

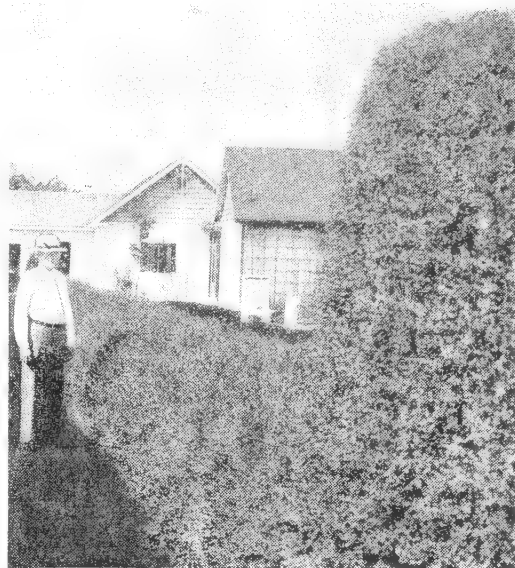
## 50 Plants Make a 50 Foot Hedge

(Set plants 1 ft. apart for thick hedge.)

## PRICES ON HEDGE PLANTS

(Shipped Express, F. O. B. Faribault.)

Size		10	50	100
<b>CHINESE HEDGEWOOD</b>				
12-18 in.	Seedlings	\$1.10	\$3.65	\$6.95
18-24 in.	Seedlings	1.95	6.95	11.85
<b>BUCKTHORN</b>				
18-24 in.	Transplants	\$1.35	\$4.45	\$7.85
2-3 ft.	Transplants	1.95	6.95	11.85
<b>PYGMEA CARAGANA</b>				
12-18 in.	Transplants	\$1.85	\$6.75	\$11.45
18-24 in.	Transplants	2.95	9.95	19.95
<b>BARBERRY THUNBERGI</b>				
12-18 in.	Seedlings	\$1.10	\$3.65	\$6.95
18-24 in.	Seedlings	1.75	5.85	10.95
<b>ARBORVITAE EVERGREEN HEDGE</b>				
9-12 in.	Transplants	\$3.10	\$10.25	\$19.35
12-15 in.	Transplants	3.75	13.50	24.50



Chinese Hedgewood makes low, formal hedge or a high screen hedge. Can be trimmed to any desired height.

# ★ ★ ★ Save Money on Windbreak Trees ★ ★ ★

We offer hardiest recommended varieties for the Northwest. Plant two to five rows for real effectiveness. Plant 6 feet apart in rows 8 feet apart. Cultivate first two years if possible.

## AMERICAN ELM CHINESE ELM SOFT MAPLE GREEN ASH

Size	50	100	200	500	1000
6-12 in. Prepaid					\$ 8.25
12-18 in. Prepaid	\$1.25	\$ 2.35	\$ 3.85	\$ 7.95	12.95
18-24 in. Not Ppd.	1.35	2.55	4.25	8.95	13.85
2-3 ft. Not Ppd.	1.95	3.55	6.85	14.85	27.50
3-4 ft. Not Ppd.	3.65	6.25	11.85	24.85	32.50
4-5 ft. Not Ppd.	4.95	9.25	17.85	35.00	65.00

## RUSSIAN OLIVE

6-12 in. Prepaid	\$1.65	\$ 2.65	\$ 4.95	\$ 9.50	\$18.00
12-18 in. Prepaid	1.95	3.55	6.85	14.85	27.50

## BLACK WALNUT

18-24 in. Not Ppd.	\$4.95	\$ 9.25
2-3 ft. Not Ppd.	6.95	12.25
3-4 ft. Not Ppd.	8.25	15.65

## RUSSIAN GOLDEN WILLOW

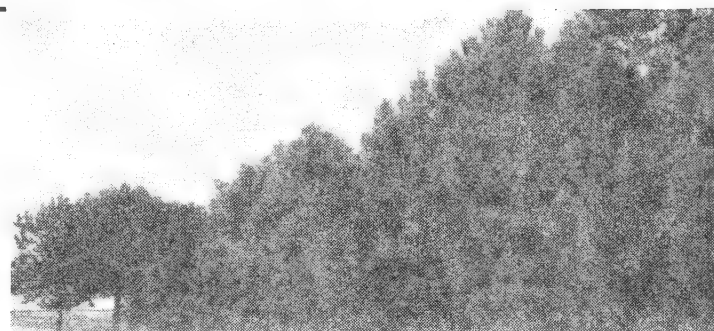
2-3 ft. Not Ppd.	\$3.85	\$ 6.85
3-4 ft. Not Ppd.	4.85	8.65

## NORWAY POPLAR

2-3 ft. Not Ppd.	\$4.25	\$ 7.65
3-4 ft. Not Ppd.	5.35	9.65

## SCOTCH PINE

An  
Ideal  
Drought-  
Resistant  
Windbreak



## Evergreen Windbreak Bargains!

Size	10	25	50	100
<b>COLORADO BLUE SPRUCE</b>				
9-12 in. Transplants. Prepaid	\$3.25	\$ 6.35	\$10.65	\$19.85
12-15 in. Transplants. Not Prepaid	3.75	7.50	13.50	24.50
15-18 in. Transplants. Not Prepaid	4.95	9.85	18.50	35.00
<b>BLACK HILLS SPRUCE</b>				
9-12 in. Transplants. Prepaid	\$3.50	\$ 7.65	\$14.85	\$30.00
12-15 in. Transplants. Not Prepaid	4.50	10.85	21.50	40.00
15-18 in. Transplants. Not Prepaid	5.50	12.85	25.50	50.00
<b>DOUGLAS FIR</b>				
9-12 in. Transplants. Prepaid	\$3.50	\$ 7.65	\$14.85	
12-15 in. Transplants. Not Prepaid	4.50	10.85	21.50	
15-18 in. Transplants. Not Prepaid	5.50	12.85	25.50	
<b>SCOTCH PINE</b>				
15-18 in. Transplants. Not Prepaid	\$3.25	\$6.35	\$10.65	\$19.85
18-24 in. Transplants. Not Prepaid	3.75	7.50	13.50	24.50
<b>AMERICAN ARBORVITAE</b>				
9-12 in. Transplants. Prepaid	\$3.25	\$6.35	\$10.65	\$19.85
12-15 in. Transplants. Not Prepaid	3.75	7.50	13.50	24.50

## GIANT SIZE SPECIAL

25 GREEN ASH 25 SOFT MAPLE  
25 AMERICAN ELM 25 GOLDEN WILLOW

100 TREES  
3 to 4 ft.  
(VALUE \$8.59)  
**ONLY \$6.65**

SHIPPED BY  
EXPRESS  
OR  
FREIGHT  
F. O. B.  
FARIBAULT

ORDER  
EARLY!  
SUPPLY  
LIMITED.

**FARM  
Windbreak  
SPECIAL**

75 GREEN ASH  
75 AMERICAN ELM  
50 SOFT MAPLE

200 TREES  
18 to 24 in.  
(VALUE \$5.40)  
**ONLY \$4.25**

200 TREES  
2 to 3 ft.  
(VALUE \$7.80)  
**ONLY \$5.65**

All  
Not  
ppd.

Set Evergreen Windbreaks 6 to 8 feet apart in the row and 12 to 15 feet apart between rows.

# ★ ★ ★ EVERGREENS for Year 'round Beauty

## EVERGREEN PRICES

**IMPORTANT:** Any Junior Size plants you order will be wrapped together in wet moss after roots have been puddled in mud. Master Sizes are individually wrapped in extra quantities of damp Sphagnum Moss. Thus, each tree can be taken separately to the planting spot before unwrapping. Remove all packing material, SOAK THE ROOTS VERY THOROUGHLY, and plant at once. This year we will wrap Master Sizes (except Shiners) in this manner without extra charge, as it reduces shipping costs, cuts losses, and greatly speeds up delivery, since all evergreens, thus packed, will go Express. Only Colorado Blue Spruce Shiners are balled in earth and burlapped (listed as B & B) and shipped freight. So we cannot guarantee prompt delivery on Shiners because of labor shortage and slow freight service.

PRICES BELOW ARE F.O.B. FARIBAULT.

PYRAMIDAL ARBORVITAE			MASTER SIZES		
JUNIOR SIZE			Individual Wrap.		
Size	Each		Size	Each	
18-24 in.	\$1.45		2-3 ft.	Ind. Wrap.	\$3.25
			3-4 ft.	Ind. Wrap.	4.75
AMERICAN ARBORVITAE					
18-24 in.	\$1.35		2-3 ft.	Ind. Wrap.	\$2.25
			3-4 ft.	Ind. Wrap.	3.50
SILVER CEDAR					
18-24 in.	\$1.35		2-3 ft.	Ind. Wrap.	\$3.25
			3-4 ft.	Ind. Wrap.	3.95
PFITZER JUNIPER					
12-15 in.	\$1.45		15-18 in.	Ind. Wrap.	\$2.75
			18-24 in.	Ind. Wrap.	3.65
SAVIN JUNIPER					
12-15 in.	\$1.25		15-18 in.	Ind. Wrap.	\$2.35
			18-24 in.	Ind. Wrap.	2.95
DWARF MUGHO PINE					
12-15 in.	\$1.65		15-18 in.	Ind. Wrap.	\$3.45
			18-24 in.	Ind. Wrap.	3.95
COLORADO BLUE SPRUCE					
(Medium Blue)					
12-15 in.	\$1.65		18-24 in.	Ind. Wrap.	\$3.45
15-18 in.	1.85		24-30 in.	Ind. Wrap.	4.50
COLORADO BLUE SPRUCE SHINERS					
(Bare Root Stock not offered)					
			15-18 in.	B&B.	\$4.45
			18-24 in.	B&B.	6.50



## Evergreens for Foundation Planting

Special Entrance and Corner Planting Collections—Page 79

### UPRIGHT TYPES

**PYRAMIDAL ARBORVITAE** — Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Compact and of natural pyramidal form.

**AMERICAN ARBORVITAE** (White Cedar). Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramid. Easily controlled by trimming.

**SILVER CEDAR** — Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting. Can be trimmed as desired and will attain a height of 12 to 15 feet if untrimmed.

### LOW GROWING TYPES

**PFITZER JUNIPER** — Has spreading branches, handsome gray-green foliage—hardy everywhere and one of the most popular Junipers. Grows 3-4 ft. tall—thrives in shade or sunshine.

**SAVIN JUNIPER**—Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches. Extremely hardy—can be trimmed as desired.

**DWARF MUGHO PINE**—Dwarf, bushy, compact. Ideal for foreground position. Dark, rich green, long, stiff needles.

## The Finest For Lawn or Group Planting

**SPRUCE, COLORADO MEDIUM BLUE** (Picea pungens.) Develops a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. All grown from seed gathered from select Blue Shiners, but do not show blue until 18 to 24 inches high.

**SPRUCE, COLORADO BLUE SHINERS** (Picea pungens glauca). The "Extra Blue" trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Well rooted, heavy specimens, three times transplanted.



## ★ ★ The Finest in LILACS

### FRENCH HYBRID LILACS

French Lilacs bear larger flowers and bigger, heavier trusses of bloom than those of the common Lilac. They are gorgeous in coloring, very free-flowering, and have delightful fragrance.

**ALPHONSE LAVALLE.** Double. Opens an intense blue, changing to a beautiful shade of lavender as the florets develop.

**CHARLES JOLY.** Double. Deep wine-red. The large trusses are held erect, well above the foliage.

**MADAME LEMOINE.** Double. Pure white, without a tinge of cream. Panicles large, long, erect.

**PRESIDENT GREVY.** Double. Clear delicate light blue. Immense panicles, very symmetrical.

**FRENCH LILACS** { 3 Yr. Plants, 75c Each, not ppd.  
4 Yr. Plants, 95c Each, not ppd.

### PERSIAN LILAC

True Rothomagensis—Deep Pink

Truly beautiful planted by themselves or in foundation plantings. Makes the finest of all flowering screen hedges for the north. Presents a breath-taking sight in full bloom, in May. Eventual height, 10 ft. Bushes all grow even in height, graceful and well rounded with all blossoms on the outside. 3-yr. plants 55c each, 4-yr. plants 65c each, by express, not prepaid.

### VILLOSA LILAC

This is the Pink Flowering Lilac that comes into bloom when all other Lilacs are gone. Grows ten feet high. The large broad plume-like panicles are of a delicate pink color. 3-yr. plants 55c each, 4-yr. plants 65c each, by exp. not ppd.

### Three French Lilacs

- 1 Charles Joly—Red.
- 1 Madame Lemoine—White.
- 1 President Grevy—Blue.

3-year size.

**\$1.98**

By Exp. not ppd.

Same Collection

In 4-year size \$2.55 not ppd.

# Hardy Everblooming ROSES

**FRAU KARL DRUSCHKE.** Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering.

**GENERAL JACQUEMINOT.** Hybrid Perpetual. Scarlet-crimson buds, opening to clear red flowers of moderate size and excellent shape. The standard red for years. Extremely hardy.

**GRUSS AN TEPLITZ.** Hybrid Tea. Color, richest scarlet, shading to velvety crimson. Very fragrant. A free, strong grower and continuous bloomer. An ideal garden rose succeeding under the most ordinary conditions.

**TALISMAN.** Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage.

Prices of Above Roses  
Strong 2-yr. field-grown plants  
Each 75c, prepaid

Earn Free Gifts  
with Your Nursery Order.  
Details—page 30.



Talisman—a brilliant orange-yellow and coppery red combination



Hansa—a  
fragrant  
double wine-  
red Rugosa.

## Hardy Rugosa Roses Eskimo Beauties

**BELLE POITEVINE.** Queen of the pinks. Clusters of double, magenta-pink roses over a long season. Price, strong plants, each 55c, prepaid.

**F. J. GROOTENDORST.** Produces full clusters of small, semi-double roses of a bright crimson. Resembles the Crimson Baby Rambler. An ideal everblooming hedge plant. Grows 4 to 5 ft. tall. Price, strong plants, each 75c, prepaid.

**HANSA.** Large, double, fragrant flowers of a rich, wine-red color. The plants are exceptionally sturdy, with handsome dark green foliage, and bloom freely over a long season. Price, strong plants, each 75c, prepaid.

## Most Popular Climber

**PAUL'S SCARLET.** No other rose can compare with it in brilliance of color. Great clusters of 3 to 6, large, semi-double blooms are produced in such profusion during June, that they can be cut freely, with long stems. The brilliant scarlet color holds well even in full sun. Can be trained over archways, pergolas, draped on fences, or grown on pillars and posts to brighten the entrance or porch. Price, strong plants, each 75c, prepaid.

### Winter Care of Climbing Roses—

Lay canes of Climbing Roses on the ground, and cover with 6 inches of earth and straw or leaves. Do not remove covering until all danger of freezing is past in spring.

Spray your Roses with **SEMESAN**



to combat Mildew  
and Black Spot.  
Free Pamphlet.

Prices on Page 17.

## Soil Soaker

Puts the Water On the Ground  
Where It Belongs

Soil-Soaker, open only at one end, screws to the end of the water hose, replacing the nozzle of sprinkler. When the water is turned on, Soil-Soaker fills with water—and normal pressure forces water through the pores of the entire surface of Soil-Soaker, uniformly, without spray. The soil is soaked deeply and thoroughly, covering an area on all sides of Soil-Soaker. Far more beneficial than light surface sprinkling.

### Approximately 25% More Efficient

By regulating water flow or pressure at the faucet, all the water may be placed where it will do the most good. Water bills are greatly reduced. The ground is soaked but not the foliage, reducing to a minimum mildew, black spot, and many other leaf troubles caused by overhead sprinkling of flowers.



Offered in Four Lengths

	Each
No. 0—12 feet....	\$1.40
No. 1—18 feet....	1.90
No. 2—30 feet....	2.90
No. 3—50 feet....	4.75

All Postpaid

LIKE  
ALL  
NIGHT  
RAIN

**SOIL-SOAKER**

## Ornamental Vines

If wanted by Parcel Post add 10c for 2 Vines, and 20c for postage on 4 Vines

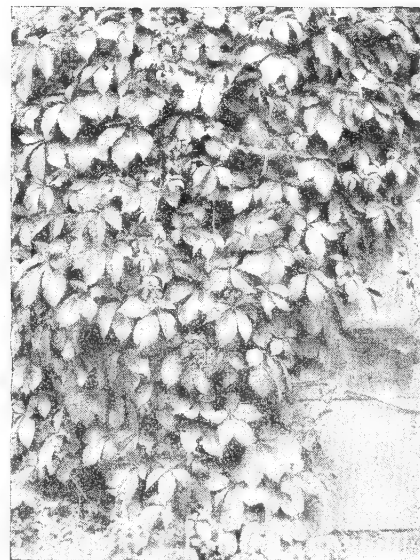
**BITTERSWEET** (*Celastrus scandens*). A rapid-growing, hardy native climber, prized for its large clusters of beautiful orange-red berries, which remain all winter. Fine for winter bouquets. Bittersweet comes in both sex plants, male and female. To insure getting berries, three vines should be planted. 2-yr. vines, 2 for 55c, not prepaid.

**CLEMATIS JACKMANI.** The popular large-flowering clematis with gorgeous flowers of velvety purple-violet. Produces its flowers on new wood growth and must be cut back severely each spring. Requires winter protection. 2-yr. vines, 75c each; 2 vines for \$1.40, not prepaid.

**CLEMATIS PANICULATA.** Excellent flowering vine for covering porches and arbors. In late summer it forms a dense sheet of fragrant, white starry flowers. 2-yr. vines, 45c each, 2 for 80c, not prepaid.

**SCARLET TRUMPET HONEYSUCKLE.** Handsome twining vine which can be used to cover fences, embankments or lattices. Produces a steady succession of bright scarlet, tubular flowers. 2-yr. vines, 2 for 65c, not prepaid.

**GOLDFLAME HONEYSUCKLE.** Immense, showy clusters of trumpet-shaped buds and fragrant blooms. Outside of petals brilliant flame-pink, inside, creamy golden-yellow. Dark glossy foliage adds to its charm. Plants can be sheared to form a hedge, or allowed to grow naturally as a vine or shrub. Blooms freely from early spring to heavy frost. 2-yr. plants, 75c each, 2 plants for \$1.35, not prepaid.



### ENGELMAN'S IVY

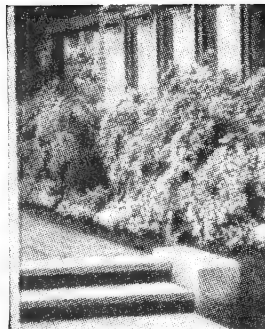
(*Ampelopsis Engelmanni*)

Produces dense, clean foliage which turns to intense scarlet in fall. Clings without support to stone, brick or stucco. Absolutely hardy; withstands heat and drought. 2-yr. vines, 2 for 65c, not prepaid.





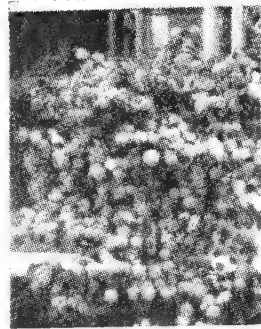
Weigela, 55c.



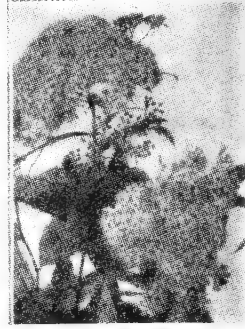
Bridal Wreath, 45c.



Forsythia, 45c.



Hydrangea Snowhill, 55c.



Spirea A. Waterer, 45c.

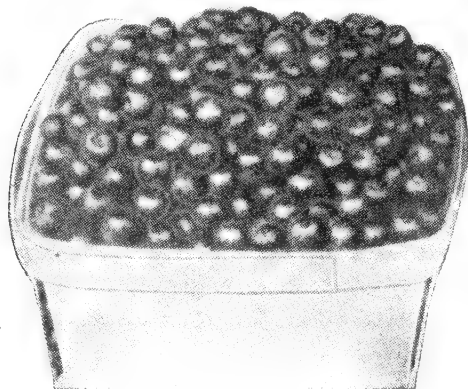


Hydrangea Snowhill.

## 2 Handsome Lawn Shrubs Provide Valuable Fruit

**CRANBERRY, Highbush.** L. Attractive tall, flowering shrubs with white blooms followed by huge clusters of bright red berries which hang on way into winter. A beautiful lawn ornament! The berries make delicious jelly that looks and tastes exactly like that of the Cranberry one buys at the grocery! (See color photo inside front cover.)

**JUNE BERRY.** M. Fruit resembles in every way the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. BUT—you can grow Juneberry quickly and easily. No special care or soil conditioning. Super-hardy, fast-growing, thrives in any soil! Its beautiful white blossoms, its red berries which turn blue when ripe, make this plant highly ornamental as well as useful. Order at least 2 plants to insure setting of fruit.



Juneberries.

### PRICES ON ABOVE SHRUBS:

3 Yr. Size: 65c each, 5 for \$2.98

4 Yr. Size: 85c each, 5 for 3.98

Shipped Express, not prepaid

## ★ ★ ★ Hardy Flowering Shrubs SHRUBS OF BRILLIANT BEAUTY to Enhance Your Home

See Color illustrations on  
opposite page

**BARBERRY, RED LEAF.** D. Rich bronzed leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight.

**HYDRANGEA, LARGE FLOWERING** (Paniculata Grandiflora). M. Produces enormous panicles of pure white flowers, which change to pink and bronze in fall; often cut for winter house decoration.

**HYDRANGEA SNOWHILL** (Arboresens). M. Large white snowball-like flowers from July to frost. Likes partial shade.

**MAYDAY TREE.** Brought by Professor Hansen from The Imperial Gardens of Russia. Large bush literally covered with white bloom. Flowers even before Bridal Wreath.

**MOCK ORANGE, DOUBLE FLOWERING** (Virginal). L. Magnificent new variety with large creamy-white, fragrant double flowers. In full bloom in spring, followed by occasional flowers all season.

**SNOWBALL.** Old-Fashioned Favorite. L. Covered with pure white "snowballs" in early spring. Grows in full sun or partial shade.

**WEIGELA** (Floribunda.) M. Of spreading habit, with slender branches well covered with crimson trumpet-shaped flowers in July.

**PERSIAN LILAC.** True Rothomagensis—Deep Pink. Truly beautiful planted by themselves or in foundation plantings. Makes the finest of all flowering screen hedges for the north. Presents a breath-taking sight in full bloom, in May. Eventual height, 10 ft. Bushes all grow even in height, graceful and well rounded with all blossoms on the outside.

**VILLOSA LILAC.** This is the Pink Flowering Lilac that comes into bloom when all other Lilacs are gone. Grows ten feet high. The large broad plume-like panicles are of a delicate pink color.

### PRICES ON ABOVE SHRUBS:

3 Yr. Size: 55c each, 5 for \$2.48

4 Yr. Size: 65c each, 5 for 2.98

Shipped Express, not prepaid

## POPULAR SHRUBS FOR QUICK EFFECT

**BARBERRY** (Thunbergi). D. Its low spreading growth forms a dense bush. Scarlet and bronze in fall, studded with brilliant red berries.

**DOGWOOD, RED-TWIGGED** (Cornus). L. Bright coral-red branches make this sturdy shrub attractive in all seasons.

**FORSYTHIA** (Golden Bell). L. A graceful ornamental shrub with brilliant golden yellow bell-shaped flowers in early spring.

**GOLDEN ELDER.** L. A handsome, wide-spreading shrub with bright yellow leaves all season. The color is more intense when planted in a sunny position.

**HONEYSUCKLE, RED BUSH** (Lonicera Tartarica Rosea). L. Delicately shaped rose-pink flowers followed by bright red berries. Thrive in sun or shade. Makes ideal tall screen hedge along back boundary of lot to screen off any undesirable view.

**MOCK ORANGE** (Philadelphus Coronarius). L. A splendid, tall ornamental shrub. Clusters of large white flowers, delightfully fragrant.

**TAMARIX.** Lace Tree. L. Striking and unusual with feathery foliage and open clusters of small pink flowers at end of branches in June and July.

## — THE BEST IN SPIREAS —

**SPIREA** (Dwarf Red) **ANTHONY WATERER.** D. A low bush with erect stems 3-4 ft. high. Rosy-crimson flowers in flat-top clusters all summer.

**SPIREA** (Dwarf Pink) **FROEBELI.** D. Very fine, dwarf shrub, covered from July to September with a mass of bright rose-pink flowers.

**SPIREA** (Pink Summer) **BILLARDI.** M. Plume-like flowers of delicate rose-pink at end of branches in July and August.

**SPIREA** (Snow Garland) **ARGUTA.** M. Graceful and attractive all season, with long light green leaves. A profusion of dainty white blossoms in May.

**SPIREA** (Bridal Wreath) **VAN HOUTTEI.** M. Graceful, arching branches completely covered with tiny snow-white flowers in late May.

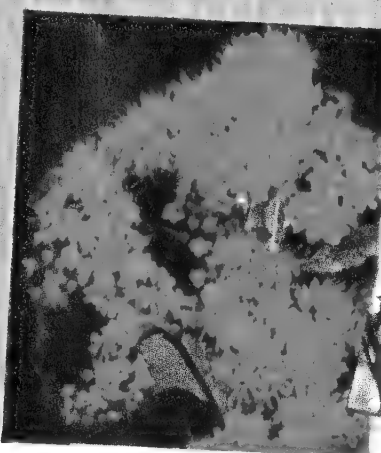
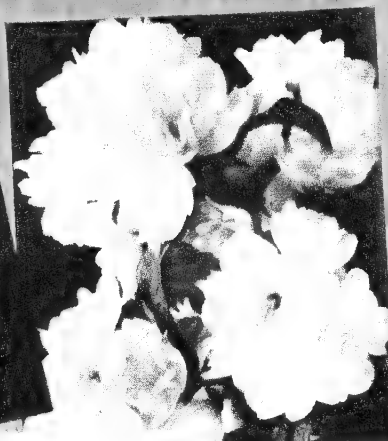
### PRICES ON ABOVE SHRUBS:

3 Yr. Size: 45c each, 5 for \$1.98

4 Yr. Size: 55c each, 5 for 2.48

Shipped Express, not prepaid

# TREES and SHRUBS *to Beautify Your Home*



All Shrubs and Trees by Express

## HYDRANGEA

(P. G. Large Flowering)

Huge panicles of pure white bloom, often 12 inches long, gradually change to pink and bronze. Ideal for winter bouquets.

3 yr. size 55c each; 4 yr. 65c nppd.

## MOCK ORANGE

(Double Flowering)

Gorgeous pure white, semi-double blooms of most delightful fragrance, appear in mid-June and throughout the summer.

3 yr. size 55c each; 4 yr. 65c nppd.

## SPECIAL OFFER

One each of above 4 shrubs in 4 yr. size (value \$3.10) by Exp. not ppd. only \$2.45

Same assortment in 3 yr. size by Exp. not ppd.:

(Value \$2.55)

**\$1.95**

## PINK SPIREA

(Dwarf Froebeli)

Bright rosy red flowers in gay clusters on dwarf shrubs through July and August. Ideal for foundation or border.

3 yr. size 45c each; 4 yr. 55c nppd.

## RED FLASH

Delicate pink blooms in spring are followed by intense rich red leaves all through the season. Most brilliant of all red-leaved shrubs.

3 yr. size \$1.09 each; 4 yr. \$1.25 nppd.

## ← RED SCHWEDLER MAPLE

Most beautiful lawn tree with gleaming purple-red leaves in spring, later turning to a beautiful bronze-green—very hardy and ornamental.

5-6 ft. Trees \$1.95 each,

6-8 ft. Trees \$2.45 nppd.

## EUROPEAN MOUNTAIN ASH →

A magnificent lawn tree covered from midsummer to midwinter with large clusters of brilliant scarlet berries.

5-6 ft. Trees 95c each,

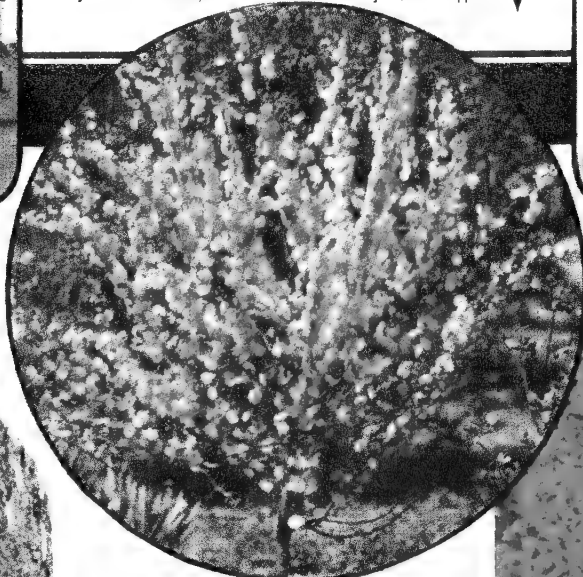
6-8 ft. Trees \$1.25 nppd.

## ROSE TREE OF CHINA

In spring every branch covered with clusters of large, double, rose-like flowers, just like Flowering Almond but plant is hardier.

3 yr. size 95c each,

4 yr. \$1.25 nppd. ↓



## RED SILVER CRAB →

A remarkable Flowering Crab! RED from top to bottom, red buds, red blossoms, reddish leaves—with undersides silver. The reddest blooms of any crab—really red, not pink. A striking lawn tree all season.

3-4 ft. Trees \$1.25 each, 4-6 ft. Trees \$1.50 nppd.

## ← NIOBE WEeping WILLOW

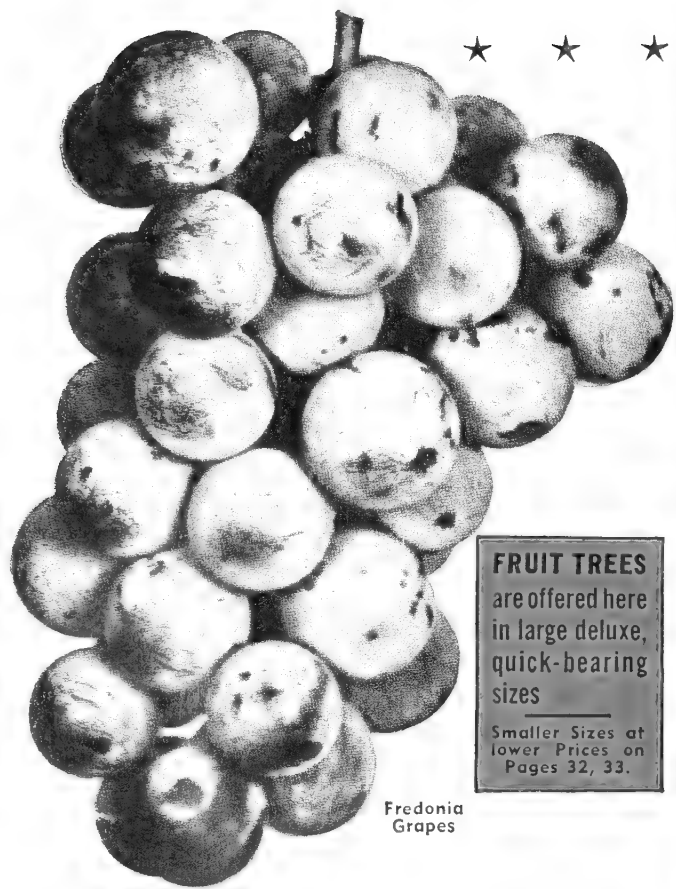
A most graceful weeping tree with deep, rich golden bark on long slender drooping branches. Most beautiful and hardiest of willows—a splendid lawn tree.

5-6 ft. Trees 75c each, 6-8 ft. Trees 95c nppd.









**FRUIT TREES**  
are offered here  
in large deluxe,  
quick-bearing  
sizes

Smaller Sizes at  
lower Prices on  
Pages 32, 33.

Fredonia  
Grapes

**Fredonia Grapes** The earliest top quality black  
Grape. 3 weeks earlier than Concord! Hardy and prolific. (Page 31) Heavy 2 yr. plants  
postpaid to 4th zone. **2 for 95c**

Beacon  
Apple



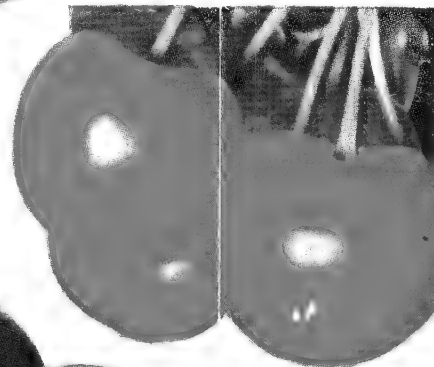
Sunrise  
Raspberry

## The New *Sunrise* RED RASPBERRY

The amazing new super-quality raspberry developed by U. S. Dept. of Agriculture. Extra early,—bears 2 weeks before Latham and over a longer picking season. Quality better than Latham, flavor and texture unsurpassed! Large, luscious, bright red, berries turn dark red when ripe,—easy to pick. Firm, fine textured, juicy, non-crumbly, of mild sub-acid flavor with most, tempting raspberry aroma. Besides, Sunrise has proved hardier and more disease free than Latham! The finest of all red raspberries! (Page 31)

1 yr. plants postpaid:  
**12 for \$2.35 25 for \$3.35**  
2 yr. plants postpaid:  
**12 for \$2.65 25 for \$3.85**

**Parker Pear** From Minn. State  
Fruit Farm. Fruit is  
fine grained, sweet, juicy and delicious. Hardy. (Page 33) 4 to 6 ft.  
trees by Express: **EACH \$1.35**



Nanking  
Cherry

### Nanking Cherries

"Beauty shrubs" of striking  
bloom bear loads of luscious  
pie cherries. Plant two for  
pollination. (Page 33) 3 to  
5 ft. plants by **2 for \$2.85**  
Express:

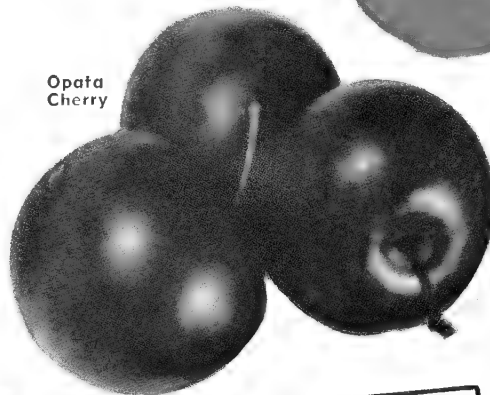
**Opata Cherry** Eat these luscious  
cherry-plums picked fresh from the tree!  
Often bears loads of flavorful fruit  
second year. (Page 33) 4 to 6 ft.  
trees by Express: **EACH \$1.35**

**New Beacon Apple** Best of  
all early fall eating Apples. Tops in flavor,  
all red, ripens with Duchess. (Page  
32) Large 5 to 7 ft. trees  
by Express: **EACH \$1.25**

**New Prairie Spy Apple**  
Minnesota's newest! An extra long  
keeping Apple that really has  
splendid eating quality. Nothing  
finer! (Page 32) Large 5 to 7 ft.  
trees by Express: **EACH \$1.25**

**Van Buren's Duchess**  
Newest improved strain of this  
popular summer apple. Hardy,  
early, heavy cropper. High red  
color. (Page 32) 5 to 7 ft.  
trees by Express: **EACH \$1.25**

Opata  
Cherry



### New Minn. 638 Apple

Acclaimed the "Winter  
Wealthy." Handsomely colored,  
finest quality. Hangs to tree in  
high winds. Dependable crop-  
per. (Page 32) Large 5 to 7  
ft. trees by Express: **EACH \$1.25**

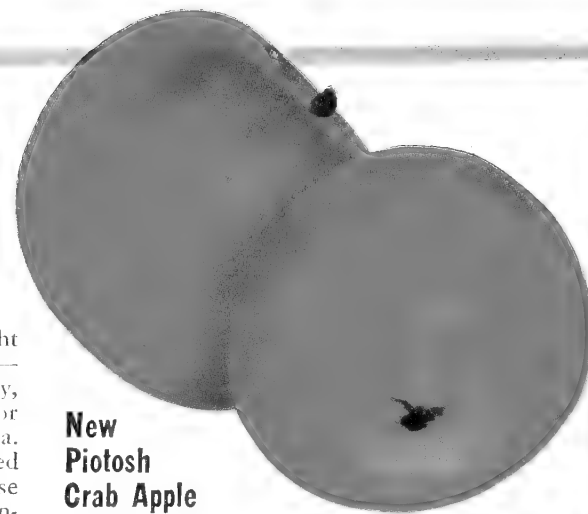
★★★ → (FREE GIFTS—page 30)

### New Minn. 790 Apple

Larger, hardier and better than  
Roman Beauty. It's the ideal  
baker! (Page 32) Large 5 to 7  
ft. trees by Express: **EACH \$1.25**

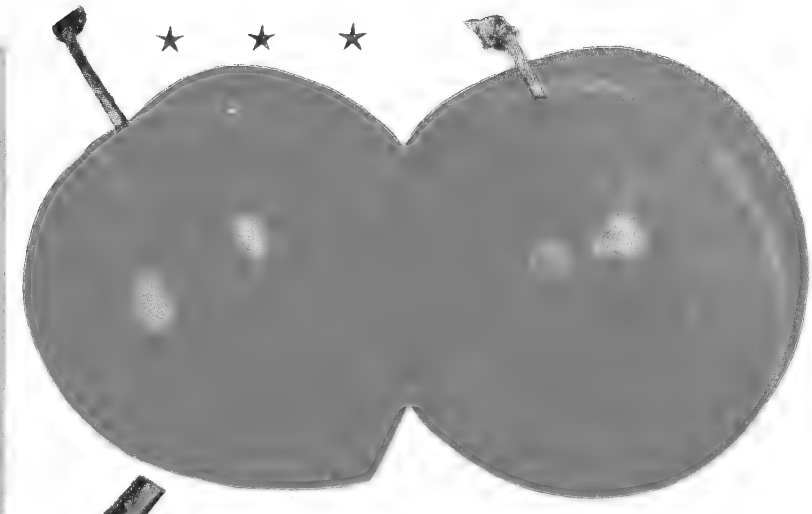
### Red Haralson Apple

Minnesota's prize winter Apple.  
Large fruits, high color, fine  
flavor and best keeper of all.  
(Page 32) Large 5 to 7  
ft. trees by Express: **EACH \$1.25**



### New Potosh Crab Apple

A new crab from Ca-  
nada that's better than  
Whitney for eating, canning,  
pickles or preserves. Tops in  
quality, color, flavor. Super  
hardy. (Page 32) Large 5 to  
7 ft. trees by Express:  
**EACH \$1.25**

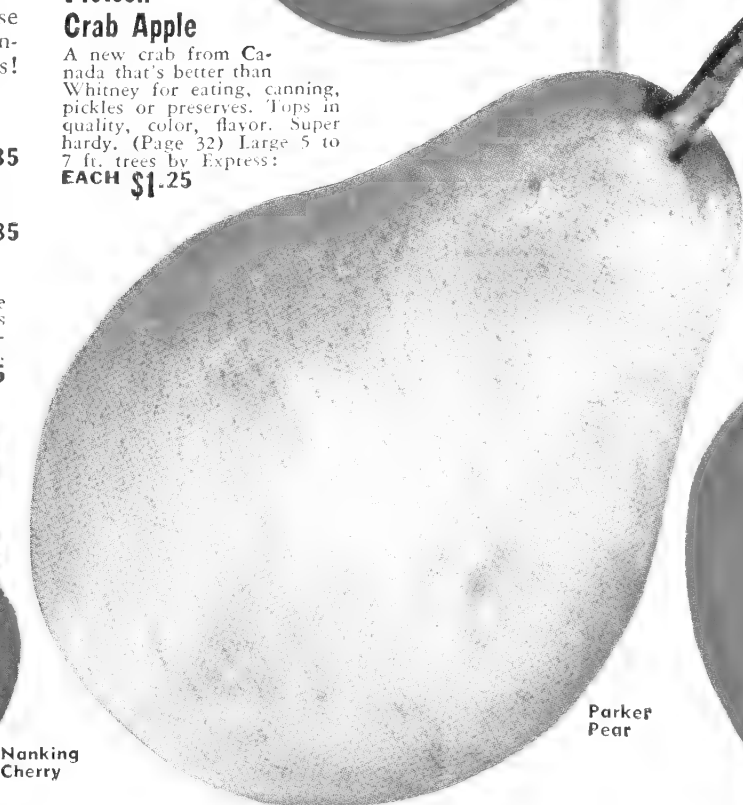


### Superior Plum

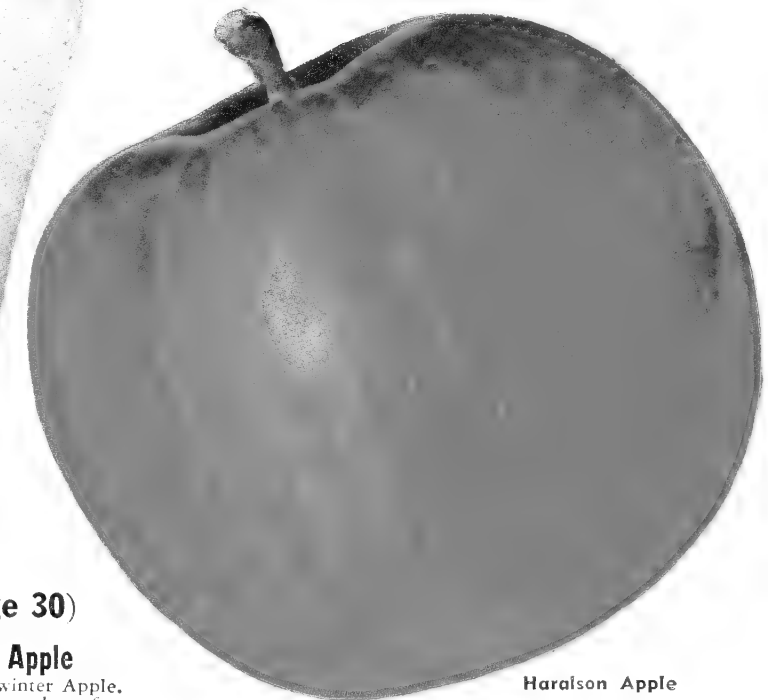
Rivals Big California  
Plums in size and  
quality. Very hardy.  
(Page 33) 4 to 6 ft.  
trees by Express: **EACH \$1.35**

### New Red Coat Plum

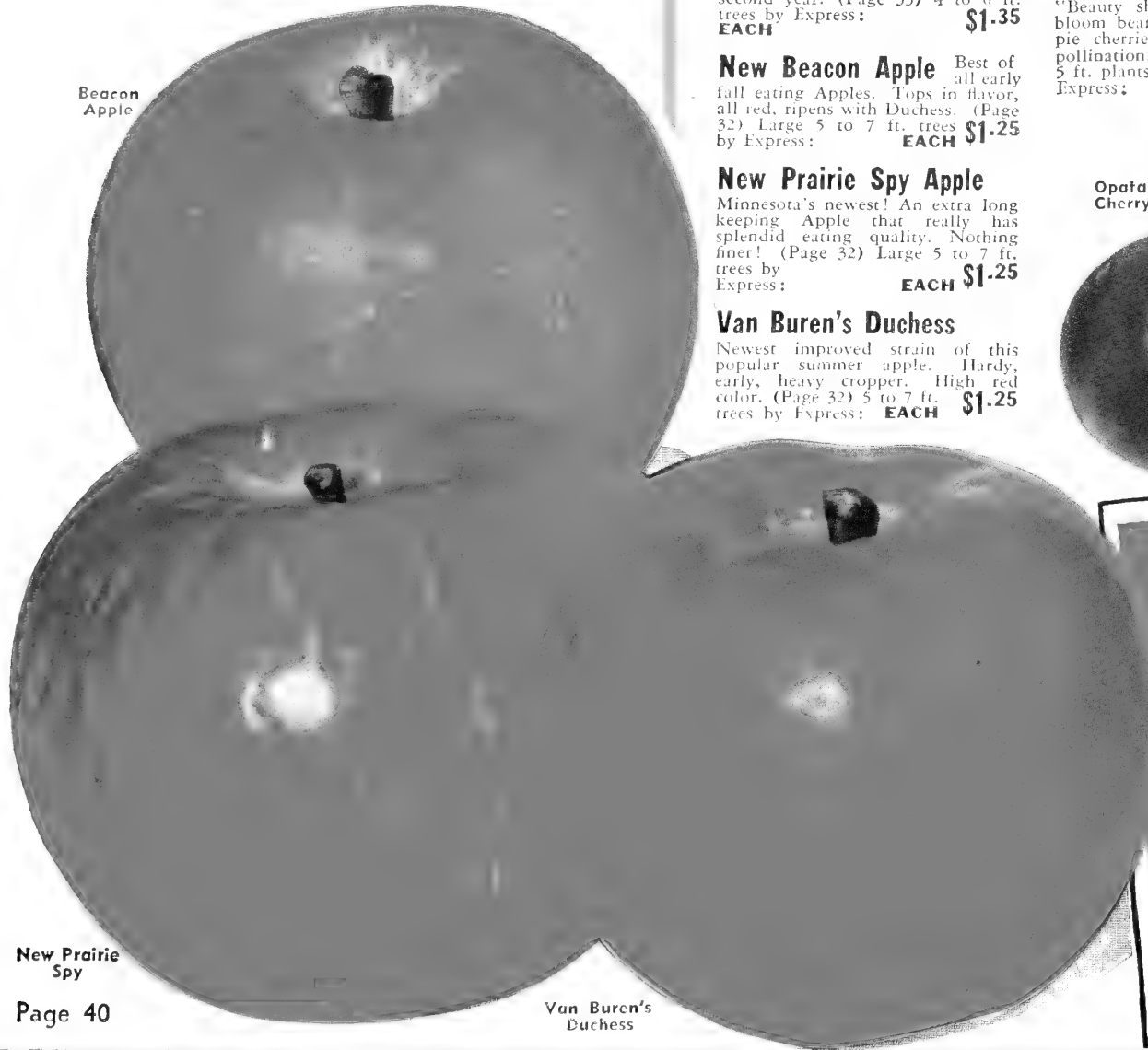
A choice quality Free-Stone Plum  
from Minn. Exp. Sta. Produces  
bushels of good sized prune-shaped,  
all red fruit. (Page 33) Large 4 to 6  
ft. trees by Express: **EACH \$1.35**



Parker  
Pear



Haralson Apple



New Prairie  
Spy

Van Buren's  
Duchess

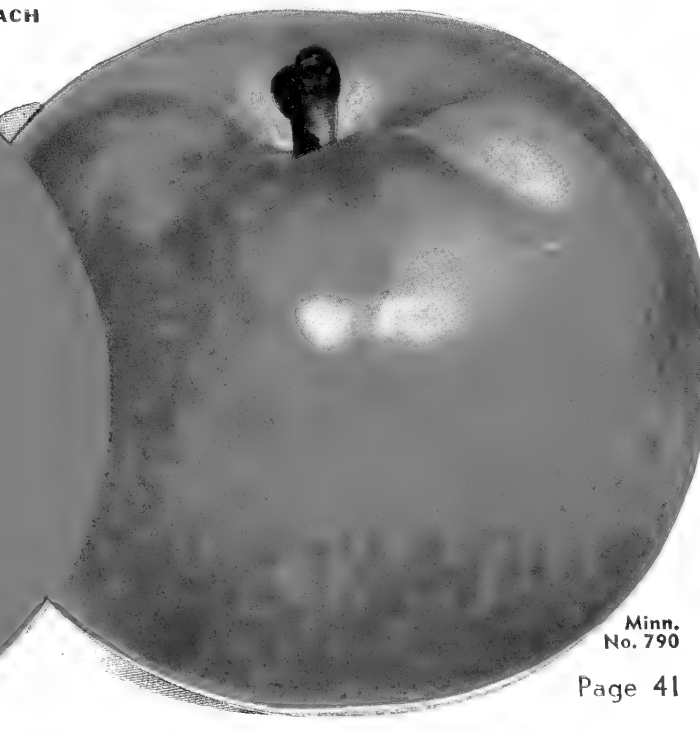
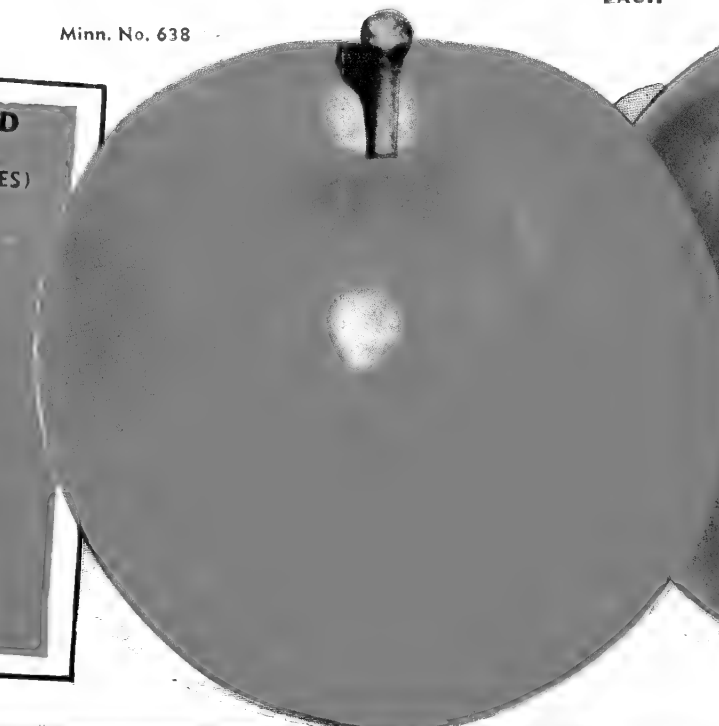
### VICTORY ORCHARD SPECIAL (10 CHOICE APPLE TREES)

2 Prairie Spy  
2 Beacon  
2 Haralson  
2 Van Buren's Duchess  
1 Dolgo  
1 Whitney  
10 trees all 5 to 7 ft.  
(Value \$12.50) ONLY  
**\$11.25**  
10 Trees All 4 to 6 ft.  
(Value \$9.80) ONLY  
**\$8.75**  
By Exp. Not Ppd.

### HOME ORCHARD SPECIAL (7 CHOICE APPLE TREES)

1 Minn. No. 790  
1 Minn. No. 638  
1 Beacon  
1 Prairie Spy  
1 Haralson  
1 Van Buren's Duchess  
1 Potosh Crab  
7 Trees All 5 to 7 ft.  
(Value \$8.75) ONLY  
**\$7.95**  
7 Trees All 4 to 6 ft.  
(Value \$6.86) ONLY  
**\$5.95**  
By Exp. Not Ppd.

Minn. No. 638



Minn.  
No. 790

# Colorful PERENNIALS

## BUDDLEIA

(Summer Lilac)

Long, graceful flower spikes, excellent for cutting.

**ELEANOR**—Eleanor-blue, with an orange eye.

**CHARMING**—A lovely shade of lavender-pink.

**DUBONNET**—Rich, glowing wine-red.

**Your Choice: 50c Each, 3 plants \$1.25 ppd.**

**8 PLANTS \$2.95**  
for only **80¢** ppd.

One each pictured on this page, a \$3.50 value

## DELPHINIUM

Giant Pacific Hybrids  
(Originators Strains)

Immense double flowers that do not shatter, on strong whippy stems. Resistant to mildew.

**KING ARTHUR**—Royal violet, large white bee.

**SIR GALAHAD**—Sparkling pure white.

**BLACK KNIGHT**—Darkest of all. Huge 2½" flowers of heavy, velvety texture in midnight blue.

**ROUND TABLE SERIES**—Grown from mixture of above and other "Knights and their Ladies."

**Your Choice: 50c Each, 3 plants \$1.25 ppd.**



## NEW PHLOX

**PRIME MINISTER**—(pictured above) Sparkling white blooms, red eye.

**DAILY SKETCH**—Immense flowers, soft salmon pink, carmine eye.

**TIGRESS**—Huge trusses of brilliant, orange-scarlet bloom.

**Your Choice: 40c Ea., 3 plants \$1.00 ppd.**



## PYRETHRUM

Pink Bouquet

A pert, dainty, double Painted Daisy of most unusual design. Five to eight 4-inch blooms on 30-inch stems from May thru June. Stiff outer petals of deep rosy pink.

**65c each, 3 plants \$1.75 ppd.**

## CARNATION

Crimson King

*A Hardy Carnation for Your Garden!*

Large, fragrant flowers of dazzling crimson, on stiff, stocky stems, long enough for cutting. Bloom profusely in June, and until heavy frost. **3 plants \$1.00 ppd.**

## EUGENE WANDER 'MUM

Brilliant 3 to 4 inch glistening, golden yellow flowers, cover sturdy 18" plants with a blaze of color from mid Sept. to frost. Huge, perfectly formed blooms make ideal cut flowers. Fine for pot culture. (Other 'Mums pages 47 and 80.) **40c each, 3 plants \$1.00 ppd.**

## CHRYSANTHEMUM LOVERS!

Send 6c in stamps for SPECIAL 'MUM PORTFOLIO featuring 101 of the World's Best 'Mums in full colors.



# The Choicest Modern Gladiolus

## Eight Aristocrats

**BIT O'HEAVEN.** Rich, flaming, coppery orange with a yellow throat. Very popular with florists, as the coloring is supremely rich when massed in bouquets. Each 7c, 6 for 35c, doz. 60c.

**FLARE.** Brilliant scarlet, with florets 5 inches across. A massive glad that resists heat and drought. Each 12c, 6 for 65c, doz. \$1.20.

**JALNA.** A striped glad, and a distinct novelty. Iridescent salmon, suffused and striped with slate gray. Each 12c, 6 for 65c, doz. \$1.20.

**KING LEAR.** Large, heavily ruffled blooms of clear deep purple with a silver line on edge of all petals. Each 15c, 6 for 80c, doz. \$1.50.

**ROSA VAN LIMA.** Cool, light pink with a white throat delicately marked. Valuable as a cut flower used with other colors. Each 7c, 6 for 35c, doz. 60c.

**SHIRLEY TEMPLE.** Immense heavily ruffled cream flowers with deeper cream throat. Supreme in its color class. Each 7c, 6 for 35c, doz. 60c.

**SMILING MAESTRO.** Deep salmon-rose, flaked darker. 6-8 large blooms open at one time. Makes a grand spike. Each 7c, 6 for 35c, doz. 60c.

**VAGABOND PRINCE.** Gorgeous and distinct in coloring. Rich, glowing bronze-red with ruby-red throat blotch. Spike is tall and straight. Each 7c, 6 for 35c, doz. 60c.

**Special**—One each of above eight Aristocrats for 60c, ppd.

## Six Prize Winners

**ANGELUS.** Warm light pink, with small throat markings of pure cream. Each 15c, 6 for 80c, doz. \$1.50.

**ALADDIN.** Brilliant scarlet-salmon with large round ruffled florets. Massive spike. Each 15c, 6 for 80c, doz. \$1.50.

**BLUE BEAUTY.** Giant light blue with edges of petals suffused rich violet-blue. Each 12c, 6 for 65c, doz. \$1.20.

**MARGARET BEATON.** Ivory-white with small orange-scarlet blotch deep in throat. Each 12c, 6 for 65c, doz. \$1.20.

**REWI FALLU.** Massive, rich, deep red, with huge bell-like blooms of heavy texture. Each 15c, 6 for 80c, doz. \$1.50.

**ZUNI.** Rich and sparkling salmon-rose with a purple infusion and a distinct copper throat. Delicately ruffled. Each 15c, 6 for 80c, doz. \$1.50.

**Special**—One each of above Prize Winners for 70c, ppd.

## Seven Giant Glads

**BAGDAD.** A mammoth glad of smoky salmon-rose, with faint creamy blotches marked with pink. Each 7c, 6 for 35c, doz. 60c.

**EXCELLENCE.** Large light red, popular for its extreme earliness, large size and good color. Each 9c, 6 for 45c, doz. 80c.

**JONQUIL.** Clear, deep yellow. Consistently fine spikes, tall and straight. Each 9c, 6 for 45c, doz. 80c.

**LAVENDER RUFFLES.** Pure light lavender. Wide-open florets, slightly recurved and attractively frilled. Each 9c, 6 for 45c, doz. 80c.

**MISS NEW ZEALAND.** Huge salmon-pink with a ruddy glow in throat. Each 10c, 6 for 55c, doz. \$1.00.

**PICARDY.** Delicate shrimp-pink. Immense florets of heavy substance with a distinct silvery sheen. Each 7c, 6 for 35c, doz. 60c.

**SONATINE.** Bright, clear, pure pink with inconspicuous throat markings. Each 7c, 6 for 35c, doz. 60c.

### For Sturdier Plants and Larger Blooms

### TREAT YOUR BULBS WITH SEMESAN

#### Just Before Planting

1. Remove the skins so that the corms are bare. (In doing this be careful not to injure the tips). Burn the skins.

2. Dissolve 1 1/3 ounces of Semesan in one gallon of water. Cover the bulbs with this liquid and let them stand for 7 hours. Plant immediately.

Price: 2 oz. can Semesan 40c, prepaid. Full directions with each package. For larger quantities, see page 17.

### F. S. & N. Co's

### Rainbow Mixture

For Garden Display and for Cutting

A superb combination of all colors, tints and shades, including many unusual colors. You will find that you have Glads not only for cutting but also for exhibition purposes.

25 for \$1.00

50 for \$1.85

100 for \$3.50

### Super

### Bulb Collection

Grow the Finest Glads in Your Neighborhood!

One bulb of each named variety on this page (21 Glads) for only

**\$1.75** prepaid

**Free**—3 HYACINTH CANDICANS with every Super Bulb Collection 24 bulbs (Value \$2.40) all for \$1.75. For complete description of Hyacinth Candicans see page 45

### The "ALL PURPOSE" GARDEN HOE

for Weeding  
Cultivating  
Mulching

Try this new, high speed, light weight garden tool! So easy to handle, so much lighter, faster and better—you'll never go back to the ordinary hoe! Enthusiastic women gardeners claim less fatigue, better results.

You'll find it's fun to flick Dandelion and Plantain from the turf, or mulch around evergreens, shrubs, perennials.

Goose-neck shank permits close cultivation of prized perennials. Amazingly efficient for mulching, cultivating, weeding your garden. Weighs only 1 1/2 lbs., yet stronger than other garden hoes. Order today—if not delighted, return it for money back. Price \$1.20, prepaid.



Makes gardening a pleasure

**\$1.20** ppd.

All Gladiolus Are Prepaid

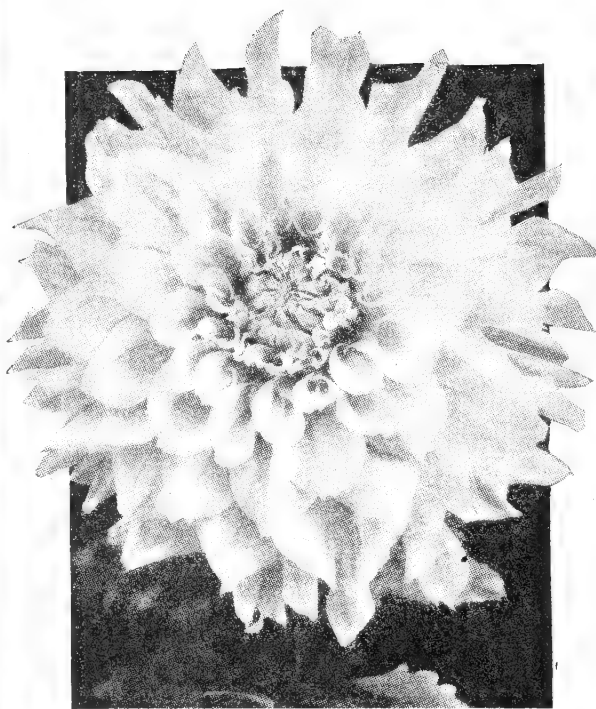
### How to Make a Support for Glads

As soon as the plants are a foot high, drive stakes into the ground every seven feet, down each side of the row, having the two parallel rows seven inches apart. The stakes should be 18 inches high. Tack a light wire onto the tops of the stakes running it down both sides of the row. This support will protect the plants from storms and high winds and keep them from falling over into the pathway.

To Have Glads for Cutting From Early July Until Frost Plant Every Two Weeks Until July 15th.







WENOKA, a rose-mauve Dahlia of perfect form.

## Exhibition Dahlias

Key to Abbreviations: F.D., Formal Decorative; I.D., Informal Decorative; C., Cactus

**BLUE RIVER.** (F.D.) Large lilac-blue. Superb in beauty, form and substance. Early. Each 75c.

**BUCKEYE BRIDE.** (F.D.) Geranium-pink, shading to light salmon-pink. Supreme as a cut flower. Early. Each \$1.00.

**BUCKEYE KING.** (F.D.) An almost pure gold, with slight apricot shadings. Of fine form. Each \$1.00.

**CALIFORNIA IDOL.** (I.D.) Bright, glistening lemon-yellow of immense size. A blue ribbon winner. Each 60c.

**CITY OF CLEVELAND.** (I.D.) Bright orange suffused scarlet, rich and attractive. A certified dahlia. Each 50c.

**JERSEY'S BEAUTY.** (F.D.) True rose-pink. Large, deep flowers of perfect form. Each 40c.

**LORD OF AUTUMN.** (I.D.) Gigantic deep golden yellow blooms. One of the greatest dahlias of all time. Each \$1.25.

**MISS BELGIUM.** (C.) An even shade of bright orange, on perfect stems. Blooms early and continuously. Each 60c.

**MRS. GEO. LE BOUTELLIER.** (I.D.) Bright carmine-red shading to a rich cardinal-red. A prize winner. Each 60c.

**QUEEN CITY.** (F.D.) Rich watermelon-pink. Blooms earlier and more profusely than any other dahlia. Each 75c.

**WENOKA.** (F.D.) Extra-large rose mauve. Perfect flowers on long, strong stems. Early. Each 75c.

**WM. H. HOGAN.** (I.D.) Large red and white bi-color. One of the best. Each 75c.

### Special

Make your own selection of dahlias from above varieties, to total \$2.50, and we will include Free—one giant exhibition dahlia "Lord of Autumn." (Total value \$3.75) all for \$2.50, ppd.

This offer does not include collections.

**MIXED DAHLIAS.** All types and forms. Our selection of colors. 3 for 85c, 6 for \$1.55.

## Lovely Miniature Dahlias Easy To Grow — Require No Disbudding

They are "pocket-size" editions of their big brothers, and come in the same forms and types. The dwarf bushy plants average 2½ feet in height and require no staking or disbudding. They produce a constant supply of little Dahlias for cutting and garden decoration. *The more you cut them, the better they like it.*

**BABY BEAUTY.** (F.D.) A miniature Jersey's Beauty, with the same lovely rose-pink color, and strong, erect stems. Each 50c.

**BABY ROYAL.** (S.C.) Salmon-pink, shaded apricot and blending to yellow at the base of the petals. One of the finest miniatures. Each 50c.

**ELIZABETH PAPE.** (S.C.) Soft yellow, delicately shaded with salmon-pink. This Dahlia is much in demand by florists. Each 50c.

**GERDA NEILSEN.** Sensational new single, of showy orange-flame, with unusually long stems and good growing habits. Each 40c.

**JEAN.** (S.C.) Apricot-buff, suffused soft lilac-rose. Blooms freely and continually from early August to frost. Each 50c.

**LITTLE SWEETHEART.** Deep rose, tipped white. A dainty and attractive color combination. Each 40c.

**ORCHID BEAUTY.** (F.D.) Clear, bright orchid-lavender. Plants come into bloom early, and continue until frost. Each 50c.

**PEGGY WOOD.** Unique in coloring, this dahlia is an orange and white bi-color. The flowers are perfectly proportioned. Each 50c.

**RENE CAYEUX.** A bright crimson miniature cactus. Blooms early and continuously. Each 50c.

**PERSIMMON.** (F.D.) This splendid new miniature, as the name implies, is a pure persimmon-red, and its brilliant beauty commands instant attention. Each 60c.

### Giant Exhibition Collection - \$1.85

One of Each { California Idol—Lemon yellow  
Queen City—Scarlet-pink  
Wenoka—Rose-mauve  
(Regular Value \$2.10)

### Four Favorite Miniatures for \$1.50

One of Each { Gerda Neilsen—Orange-flame  
Jean—Apricot suffused rose  
Little Sweetheart—Rose & white  
Rene Cayeux—Bright crimson

All Dahlias are Prepaid



- 19 -

Roots for \$1.45

We have become so accustomed to seeing Cannas in formal beds in parks that we feel they have no place in smaller plantings. However, the stately plants with their brilliant clusters of flowers hold their own when interplanted with shrubs or in bare spots in the perennial border. Try placing them in groups of three and let them highlight your garden this summer.

A round Canna bed seven feet in diameter requires 19 Cannas planted 18 inches apart each way. A 10-foot bed requires 37 plants.

## Grow Cannas

For Their Richly Colored Flowers and Attractive Tropical Foliage

Planted among low-growing shrubs or in the perennial border they will provide a colorful summer display.

**KING HUMBERT.** 4 ft. Large trusses of orange-scarlet flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" canna.

**THE PRESIDENT.** 4½ ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

**HUNGARIA.** 3½ ft. The best pink canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

**YELLOW KING HUMBERT.** 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

**APRICOT.** 4 ft. Color, buff-yellow over-spread with salmon-pink, producing a mass effect of rich apricot.

**MRS. ALFRED F. CONRAD.** 4 ft. Unsurpassed for planting either singly or in large beds. Foliage is green; flowers exquisite pink.

**GOLDEN GATE.** 4 ft. Color, pure golden yellow. Very rich and effective. Flowers of good size held well above the foliage.

Price, any of the above dormant roots,  
3 for 35c, 6 for 60c, 12 for \$1.00,  
25 for \$1.85, prepaid.

# Hardy Garden Lilies

The hardy border is an ideal location for lilies, as they need sunshine on their tops and shade about their roots. The foliage of surrounding low shrubbery and plants provides shade and shows the flowers to best advantage.

**Cultural Note**—All Hardy Lilies listed here (except Blackberry) are "stem-rooters" and require deep planting, as they develop roots along the stem, as well as below the bulb. Set bulbs 6-8 inches deep, surrounded by a layer of coarse sand to aid in soil drainage and prevent rotting of bulb through excess moisture. Write for our free leaflet on the culture of garden lilies.

**CORAL LILY** (*Tenuifolium*)  
Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 30c, 3 for 75c, prepaid.

**HENRYI** (*Golden Speciosum*)  
Height 4-6 ft. This beautiful golden-orange lily will produce as many as 20 flowers on a single plant. Thrives in even the most severe climate, in almost any soil and location. The bulbs should be planted 8 inches deep. Blooms in August and September. Each 30c, 3 for 75c, prepaid.

**PHILIPPINENSE FORMOSANUM**  
Height 3-4 ft. In general appearance, very like the Regal Lily. The long, white trumpet-shaped flowers have a pale emerald-green throat which gives them a distinct and delicate appearance. Bloom from August to frost. Extra Large Bulbs, each 55c, 3 for \$1.50, prepaid.

**REGAL LILY** (*Regale*)  
Height 3-5 ft. The easiest of all lilies to grow, and the most beautiful of all the true trumpet-shaped varieties. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The stems are sturdy and bear clusters of 2-8 fragrant flowers in June. Each 30c, 3 for 80c, prepaid.

**SUNSET LILY** (*Pardalimum Giganteum*)  
Height 4-6 ft. Brilliant sunset-red, with base of flowers yellow, heavily spotted rich brown. The petals are somewhat recurving. Grown under ideal conditions, this lily will bear from 12 to 20 flowers on a 6-foot stem. Blooms in July. Each 45c, 3 for \$1.25, prepaid.

**TURK'S CAP LILY** (*Superbum*)  
Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 30c, 3 for 80c, prepaid.

**BLACKBERRY LILY** (*Pardanthus*)  
Height 2-3 ft. A lovely old-fashioned flower for the hardy border. Belonging to the Iris Family, it has iris-like leaves and orange flowers, spotted black, followed by ornamental clusters of shining black seeds, resembling blackberries. Of easy culture in a rich sandy loam in full sunlight. Plant 2 inches deep and 3 inches apart. Blooms in June. Each 25c, 3 for 65c, postpaid.

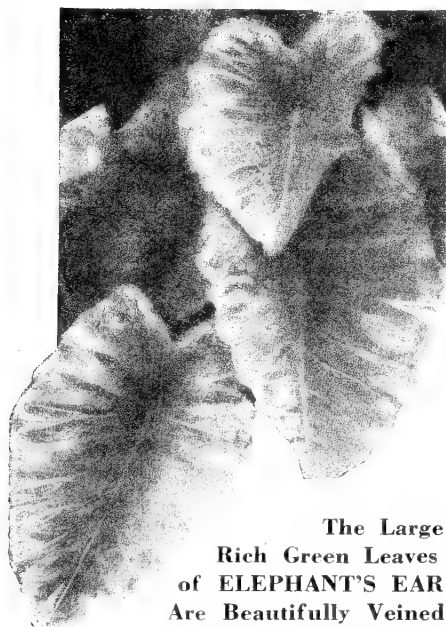
Day Lilies on Page 46



Regal Lilies—Most Beautiful and Hardest of All Lilies.

*Hardy Lily Collection*

One of Each	for
CORAL LILY	
HENRYI LILY	
REGAL LILY	
SUNSET LILY	
TURK'S CAP	
	ppd.
	(Value \$1.65)



The Large  
Rich Green Leaves  
of **ELEPHANT'S EAR**  
Are Beautifully Veined

## Oxalis

(Shamrock)

For Borders, Edgings, Pot-Plants  
or Hanging Baskets

Grown as an edging, they produce an unbroken row of clover-like foliage about 1 foot high, and bloom continuously. The flowers are borne in clusters and come in red, white and pink. **Mixed Colors Only**, 12 for 35c, 24 for 65c, 50 for \$1.10, prepaid.

## Miscellaneous Spring BULBS

### CALLA LILIES

Height 18 in. Delightful and unusual summer-flowering bulbs, which produce beautiful trumpet-shaped flowers and an abundance of deep green, spear-shaped leaves, spotted with silvery white, which adds much to their beauty. Require partial shade and moist soil. Bulbs must be dug in fall and stored like gladiolus.

**White Calla** (*Alba maculata*) Each 35c, 3 for 90c, prepaid.  
**Golden Calla** (*Elliottiana*) Each 40c, 3 for \$1.00, prepaid.

### SUMMER HYACINTH

(*HYACINTHUS CANDICANS*—*GALTONIA*)

A luxuriant-growing, summer-flowering plant, spreading 2 to 3 ft. and throwing spikes 4 to 5 ft. in height. Each spike bears from 20 to 30 large white bell-shaped flowers. Plant the bulbs in groups among perennials. The flowers are beautiful arranged in bouquets with gladiolus. Culture, same as for gladiolus. 3 for 25c, 12 for 90c, prepaid.

### ELEPHANT'S EAR

(*CALADIUM ESCULENTUM*)

One of the most effective foliage plants for beds or borders. Of gorgeous tropical appearance with rich green heart or shield-shaped leaves, often 4 ft. long and 2½ ft. wide. Can be planted with good effect as a border for Cannas. Medium Size Bulbs 2 for 60c, 6 for \$1.60, prepaid.

### CINNAMON VINE

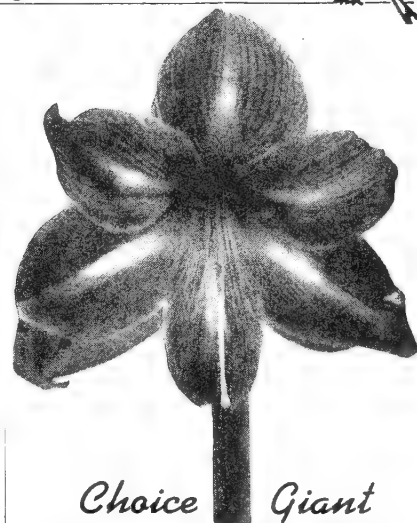
(*DIOSCOREA BATATAS*)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 25c, 3 for 65c, prepaid.

### MADEIRA VINE

(*CLIMBING MIGNONETTE*)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs 3 for 30c, dozen \$1.00, prepaid.



## Choice Giant Amaryllis Hybrids

Most Gorgeous of All House Plants.

This is the finest race of Amaryllis in cultivation. The flowers are superbly shaped and of mammoth size, ranging in color from pure white grounds with varied markings of rose and crimson, to the richest self colors, as scarlet, orange-red and crimson.

**Giant American Hybrids**, — guaranteed to bloom.

**Mixed Colors Only**—  
3 for \$2.10

Each  
**75c**

If Interested in Bulbs for Fall Planting, such as Tulips, Hyacinths, Narcissi, etc., send for our Special Bulb Folder—ready September 15th.

# From Our Perennial Plant Gardens

## Aquilegia-Columbine

**SILVER QUEEN.** Large flowers of frosted silver white. An excellent companion to the colored varieties.

**CRIMSON STAR.** Sepals and spurs crimson, center petals white with yellow stamens.

**CHRYSANTHA.** Beautiful golden yellow flowers. Bloom for two months.

**ROSE QUEEN.** Shades of light to deep rose, with white center.

**BLUE KING.** Vivid blue flowers with extra long spurs and yellow stamens.

**DOBBIE'S IMPERIAL HYBRIDS.** A fine selection of large flowering, long-spurred Columbine. Colors are clear and distinct and include shades of blue, pink, red and purple.

Price any of above, 3 for 75c, prepaid.

## Hardy Asters (Height 4 ft.)

**HARRINGTON'S PINK.** Deep rose-pink, it is the first true pink variety developed. Grows to a height of 4 ft. or more, and makes a fine display in the fall garden.

**MT. RANIER.** Large pure white flowers with yellow centers. A fine companion to the pink.

**RED CLOUD.** A bright rose-red that does not fade. Blooms in September and October.

Price of Hardy Asters, 3 for \$1.00, prepaid.

## Baby's Breath (Gypsophila)

**BODGERI.** 2 ft. The very double flowers open pure white, changing to blush-pink as they age. In bloom early, and continues until fall.

**BRISTOL FAIRY.** 3 ft. Early double-flowering pure white.

**PANICULATA.** 3 ft. Forms a symmetrical mass of minute white flowers. Blooms in August.

Price of Baby's Breath, 3 for \$1.00, prepaid.

## Bleeding Hearts

**BLEEDING HEART, Eximia.** A dwarf-growing sort, with beautiful, fern-like foliage and showy racemes of pink flowers. Each 45c.

**BLEEDING HEART, Spectabilis.** 1½ ft. Long racemes of graceful heart-shaped pink flowers in May. Prefers shade. Each 50c, prepaid.

BUDDLEIAS—See Color Page 42.

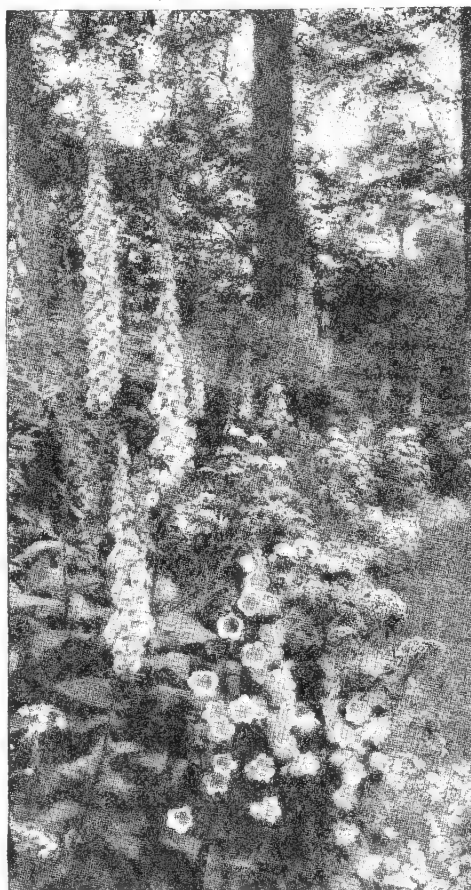
### You Can Have Flowers in Bloom From Spring to Fall if you plant a Succession Collection OF FLOWERING PLANTS

Early Iris (May Flowering)  
Euphorbia, Golden Spray (May)  
Columbine (June)  
Shasta Daisy (June-July)  
Delphinium (June-July)  
Coralbells (June to August)  
Balloon Flower (All Summer)  
Hardy Phlox (July-August)  
Hardy Aster (August-September)  
Hardy Mum (August to October)

One Each of Above	Two Each of Above
\$1.95	\$3.75
(10 Plants) ppd.	(20 Plants) ppd.

Our Selection of Named Varieties

Orders from this Page must Total to 60c  
If less, add 15c for Packing



A well-planned Perennial Border has flowers in bloom from early spring to frost.

## Campanula-Peach Bell

**NEW WHITE PEACH BELL.** Handsome large bell-shaped flowers of purest white, on 2-foot stems. A real acquisition for your garden. 3 for 90c, prepaid.

**SUMMER SKIES.** Magnificent 3-foot spikes, bearing quantities of sky-blue double bell-flowers, of the cup-and-saucer type. A showy garden plant and cut flower and a prize winner at flower shows. Each 50c, prepaid.

## Golden Day Lilies (Hemerocallis)

A full season of bloom can be enjoyed by selecting the different varieties listed below. All are completely hardy and thrive in full sun or partial shade.

**BAY STATE.** Enormous blooms of glistening yellow, on 3-foot stems. In full bloom about late June. Each 55c, prepaid.

**GOLDENI.** A fine deep orange, very effective in mass plantings. Grows 3 feet tall and blooms freely in early July. Each 55c, prepaid.

**MARGARET PERRY.** Orange, with yellow throat and stripe down the center of each petal. Vigorous and well branched. Blooms July and August. Each 55c, prepaid.

**THE GEM.** Rich, deep orange-yellow flowers on 4-foot stems. Of excellent form and fine for cutting. Bloom in July. Each 55c, prepaid.

**THUNBERGI (Lemon Lily).** An evening blooming pale yellow. Very fragrant. Grows 2 to 3 feet high and blooms in July and August. Each 55c, prepaid.

Your Choice, any 3 of above Day Lilies for \$1.50, prepaid.

## Four Sensational New Perennials

To Keep Your Garden Up-To-Date.

**CAMPANULA, BLUE GARDENIA.** Magnificent 30-inch spire-like flower stems covered with rich, lavender-blue double flowers. A superb plant for the garden and a wonderful cut flower. Each 50c, prepaid.

**PENTSTEMON, GARNET.** Gloxinia-like flowers of rich garnet-red, gracefully placed on 18-inch stems. Plants send up a succession of spikes from June to frost. Each 35c, prepaid.

**DAY LILY, HYPERION.** Lovely, large fragrant flowers of soft yellow, on 40-inch stems. Plants are free flowering and vigorous, with graceful arching foliage. July-August. Each 75c, prepaid.

**LYTHRUM, THE BEACON.** Brilliant carmine-red flower spikes with many laterals, furnish ideal background color from July to frost. Prefers wet spots, but will thrive under average garden conditions. Good cut-flower. Height 3 ft. Each 35c, prepaid.

Special—Four New Perennials  
(One each of above) for \$1.75, prepaid.

## Hardy Phlox

See Color Illustration Page 42.

**BRILLIANT.** An even deep crimson.

**COMUS.** Clear salmon-pink. Large trusses.

**CHAMPS ELYSEES.** Rich reddish-purple.

**MOONLIGHT DREAM.** The largest pure white.

**PAINTED LADY.** Soft silvery pink with a cherry-red eye.

**RUBY LEE.** Excellent new rosy purple.

**ROKOKO.** Giant bright pink.

**RHEINLANDER.** The best salmon-pink.

**STARLIGHT.** Rich violet; white center.

Price of Hardy Phlox, 3 for 75c, prepaid.

## Sweet-Scented Violets

**ROSINA (Sweet Violet).** Produces an abundance of fragrant, rose-pink flowers in spring and again in fall. 3 for 75c, prepaid.

**ODORATA SEMPERFLORENS.** Sweet-scented flowers of a pleasing shade of blue. Planted in a moist, half-shaded location, it blooms continuously. 3 for 75c, prepaid.

## Siberian Iris

Ideally suited to planting around  
bird baths and pools

Flowers of exquisite beauty, borne on long, slim stems. Try combining them with Mock Orange Blossoms and Pink Peonies in a bouquet—they bloom at the same time. The tall graceful plants with their long, narrow foliage, are decorative even after the flowers are gone and produce the same effect as ribbon grass when used in landscape work.

**Dragonfly.** Intense, rich blue.

**Emperor.** Deep violet-blue.

**Periwinkle.** Bright violet-blue, flushed purple.

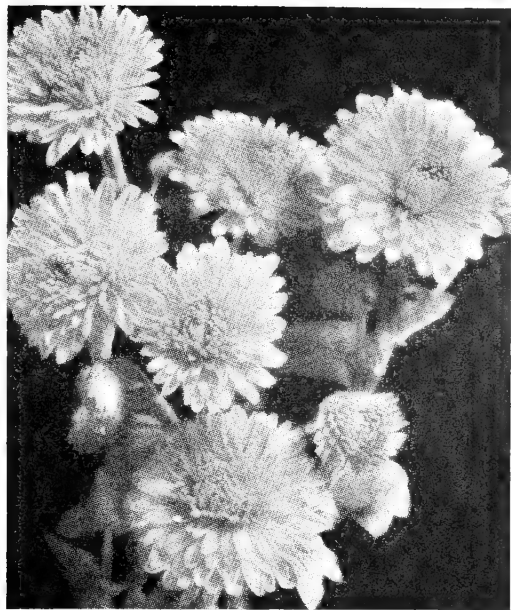
**Skylark.** Fine dark blue.

**Sunnybrook.** Soft, medium blue.

Any of above, 3 for 60c ppd.



# Hardy Garden Chrysanthemums



King Midas has immense golden yellow flowers tinged bronze when opening.

101

## Of the World's Best Mums Featured In Full Color!

This is Your Guide to selecting just the Mums you want in Your Garden. 24 Pages showing all of the Newest Improved Varieties in the full glory of their Natural Colors. Send only 6c to cover the cost of mailing and handling, and your copy will go out to you at once.

## Headliners for 1944

### Early Flowering—For Northern Gardens.

**AVALANCHE.** 2 ft. Large, double, pure white flowers in branching sprays. Blooms in mid-September. Each 50c.

**FLASHLIGHT.** 2 ft. As striking and unusual as its name suggests. Large double red, with reverse of petals old gold. Each 50c.

**GOLDRIDGE.** 2½ ft. Double, deep golden yellow flowers. 3 inches across. Free flowering. September 1st on. Each 50c.

**JEAN TREADWAY.** 2 ft. Lovely soft pink, shading to deep rose at center. Well-formed flowers. 3 inches across. Mid-September. Each 30c.

**KING MIDAS.** 2½ ft. Produces large, double, bronze-yellow blossoms from mid-September on, without letup, and with every blossom perfect. Each 30c.

**LAVENDER LASSIE.** A Beautiful New Pompon. Dense, spreading, cushion-like plants, 3 ft. across, covered with 2-inch, double blooms of perfect form, in September. Color, pure lavender. Each 40c.

**MY LADY.** 1½ ft. A rich golden color, shaded with orange-red. Double flowers, produced in profusion from Sept. 10th on. Each 35c.

**M. J. COSTELLO.** 1½ ft. Double, flat flowers of golden yellow, with reddish gold center in the bud. Comes into bloom in late August. Each 50c.

**REDBANK.** 2 ft. New early double, in bloom by September 1st. Flowers open bright red, gradually changing to bronze-red. Each 50c.

**WM. LONGLAND.** 2½ ft. Tall, upright plants with 2½-inch double flowers of beautiful clear bronze. Mid-September on. Each 50c.

## Special - 10 Plants \$3.50

(One each of above Headliners) ppd.

All Chrysanthemums are Prepaid

## Four Summer Mums

**CLARA CURTIS.** Masses of rose-pink daisy-like flowers on well-rounded 20-inch bushes. Early August to frost.

**DEAN KAY.** Dense, bushy plants, 4 ft. in diameter, covered with bright pink, semi-double flowers. Late August to frost.

**EARLY BRONZE.** Lively bronze-yellow pompon, splendid for massing and cutting. August to frost.

**PYGMY GOLD.** Another pompon type, producing quantities of miniature blossoms from late August on. The color is clear golden yellow, intense and brilliant.

One each of above for \$1.10, prepaid

## 3 Sturdy Poms

### Bloom Early September To Frost.

Shapely, well-rounded plants, completely covered with double blossoms of perfect form. Will furnish a brilliant long-lasting garden display for years to come, and a wealth of glorious bouquets.

**SEPTEMBER BRONZE**—Golden bronze to intense warm bronze.

**SEPTEMBER CLOUD**—Purest white with primrose shading in center.

**SEPTEMBER GOLD**—Brilliant golden yellow.

One each of 3 Sturdy Poms for \$1.00, prepaid

## New Spoon Mums

The flowers are fully double, with tubular petals, and with the tip of each petal flaring into a distinct spoon shape. See Color Illustration on Page 80.

**YELLOW SPOON** One of Each for  
**WHITE SPOON** 95c ppd.

**JASPER SPOON**—Yellow tubes with red spoons.

# Plant Peonies for a Lifetime of Bloom

We supply strong, healthy roots—3 to 5-eye divisions. Our leaflet on Peony Culture tells how deep they should be planted to give best results. Ask for it.

**ARMANDINE MECHIN.** A uniform deep red, rich and brilliant. Blooms early midseason and is valuable both as a landscape and cutting variety. Resistant to disease. Each 90c, prepaid.

**FELIX CROUSSE.** Brilliant rose-red of even tone and silky luster. Shows no stamens. The flower consists of a central bomb of narrow incurved petals, surrounded by broad, prominent guard petals. Late midseason. Each 90c, prepaid.

**FESTIVA MAXIMA.** The most satisfactory white. Flowers are large and full, of a beautiful clear white with a few flecks of crimson at center. Petals are broad and rounding, of heavy substance. An excellent early garden variety to use for cut flowers. Each 90c, prepaid.

**WALTER FAXON.** Vivid shell-pink, excelling all other Pinks in brilliance. Large double flowers, with a pleasing fragrance. Midseason. To develop perfect flowers of Walter Faxon, cut just before buds open, keep in water in a cool, dark room for a day or two and the flowers will be exquisitely beautiful with a wonderful luminous coloring. Each \$1.00, prepaid.

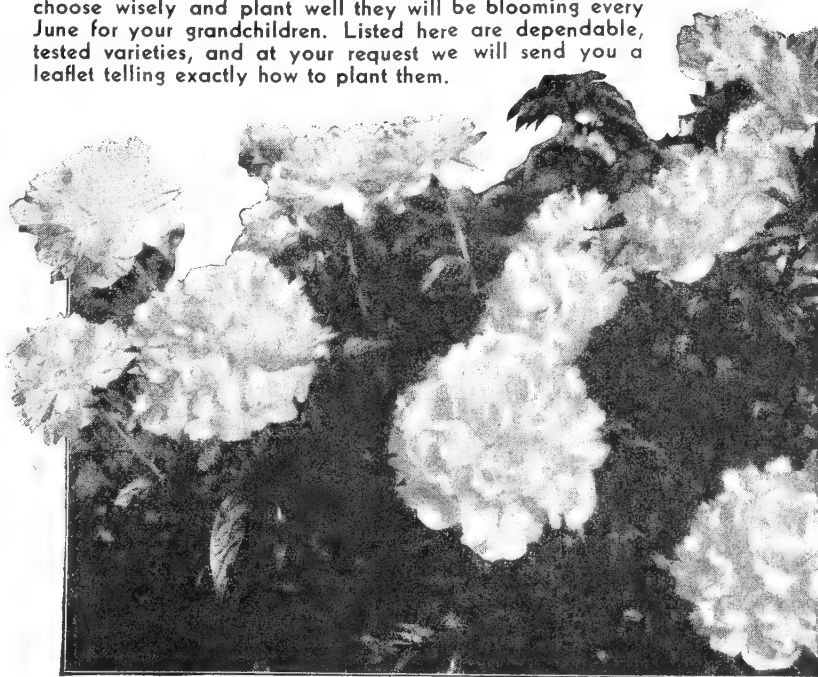
**SARAH BERNHARDT.** This is the ideal cut flower Peony. The color is a true apple-blossom pink, with each petal silver tipped. It is a late midseason variety, with a delicate fragrance. Each \$1.00, prepaid.

Choice Collection—3 Famous Faribault Peonies. Our selection of Named Varieties in Red, Pink and White. \$1.75, prepaid.

## A Giant Single Peony

**LETO.** A new variety of the oriental type. The flower is of medium size, with guard petals of heavy substance, of pure glistening white, surrounding a great dome of long narrow bright yellow petaloids. Each \$1.10, prepaid.

Of course they flower only one month a year, but if you choose wisely and plant well they will be blooming every June for your grandchildren. Listed here are dependable, tested varieties, and at your request we will send you a leaflet telling exactly how to plant them.



Peonies should be planted where they will receive full sunlight—away from trees and large shrubs.

Fall is the best time for planting tall Bearded Iris—You will find all of the Newest Varieties on our Special Fall Folder. Write for your copy today.

# FLOWER SEEDS

*The World's Finest*



All Flower Seeds are sent Postpaid in U. S. A. Please Order by Name and by Number

## All-America Winner for 1944

1496 **MAMMOTH MUM MARIGOLD.** Has great, fluffy, light sulphur-yellow blooms, 3½ inches and more across, and 2 inches deep. The largest incurved chrysanthemum-flowered Marigold and a close rival to the big Chrysanthemum. Bushy, strong erect plants reach three feet by August, and bloom profusely. Frequently a single stalk may be cut with ample long-stemmed flowers for a substantial bouquet. In bloom continuously from August until freezing weather, they make a colorful show in the garden and give long-lasting cut-flow-ers for the house.....Pkt. 25c

### NEW MAMMOTH MUM MARIGOLD

#### ACHILLEA (Perennial)

1020 **THE PEARL.** 2 ft. Produces large clusters of double pure white flowers from spring until frost. Splendid for cutting. Easily grown from seed. ....Pkt. 10c

#### ACROCLINIUM, Double Mixed (Annual)

1024 **EVERLASTING.** 20 in. Graceful daisy-like flow-ers which if cut just before they open, can be dried for winter bouquets.....Pkt. 10c

#### ADONIS, Red Chamomile (Annual)

1025 **AUTUMNALIS.** 2 ft. Dark green finely cut foli-age and rich crimson-scarlet flowers with dark centers. Given a half shaded position and some-what sandy soil, they will bloom freely all summer.....Pkt. 10c

#### ANCHUSA "Blue Bird" (Annual)

1040 Height 18-24 in. Bears large umbels of vivid, indigo-blue, Forget-Me-Not-like flowers in a lux-uriant bouquet on tall stems from July to Oc-tober. Effective in the garden or for cutting.....Pkt. 10c

## Sweet Alyssum

### Most Popular of All Edgings

1031 **VIOLET QUEEN.** 4 in. A bright, deep violet that does not fade in hot weather. Blooms luxuriantly from early summer to frost.....Pkt. 20c

1032 **SNOWCAP.** The dwarfiest and most compact variety. Plants form a dense cluster of snow-white flowers, with the objectionable green center entirely eliminated.....Pkt. 15c

1033 **LILAC QUEEN.** 6 in. Delicate laven-der flowers. A pleasing contrast with the white variety.. ½ oz. 40c, pkt. 10c

#### ALYSSUM, Madwort (Perennial)

1034 **SAXATILE COMPACTUM.** "Basket of Gold." 9 in. A mass of golden yellow blooms in early spring when other flowers are scarce. Very effective as a border for tulips. The foliage is silver-gray..... ¼ oz. 40c, pkt. 10c

## New Ageratums in Pink and Blue

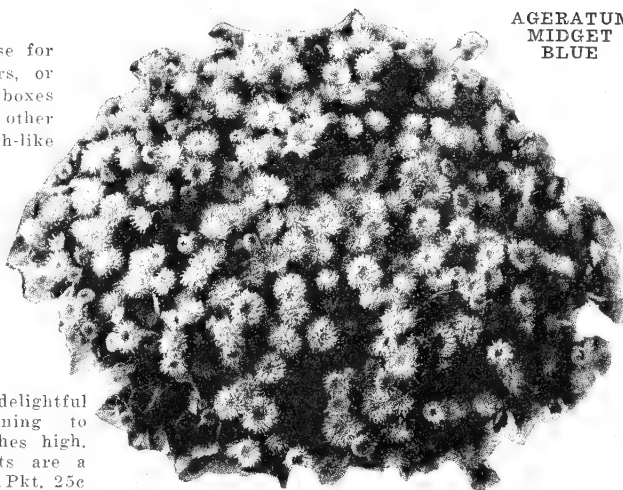
### Floss Flower (Annual)

Ageratums are excellent to use for edging walks and flower borders, or they may be used in window boxes and pots in combination with other flowering plants. The soft plush-like little flowers form compact clusters which cover the entire plant. In bloom all summer.

1026 **MIDGET BLUE.** 4 in. Dwarf and compact, with rich azure-blue flowers.. ....Pkt. 20c

1027 **BLUE CAP.** 6 in. Deep rich lavender blue.....Pkt. 15c

1028 **FAIRY PINK.** 5 in. A delightful rose-pink variety, beginning to flower when only 1½ inches high. The dwarf, compact plants are a mass of bloom all summer..Pkt. 25c



AGERATUM  
MIDGET  
BLUE

## Snapdragons

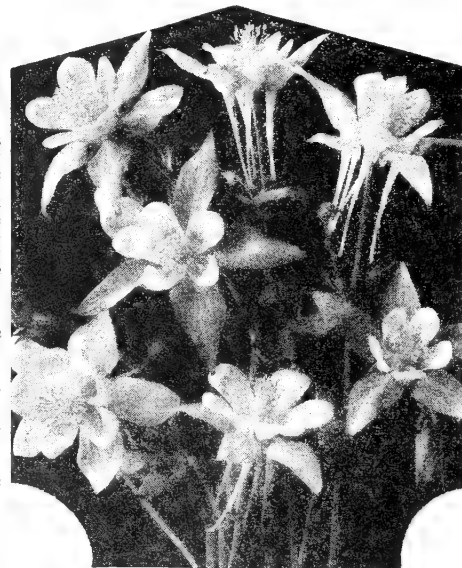
### ANTIRRHINUM (Annual)

#### Rust-Resistant Super Majestic Strain

1052 **CALIFORNIA GIANT MIXED.** Devel-oped by scientists of the University of California, this strain is resistant to rust. The seeds germinate better, the plants are more vigorous, the foliage clean, the flowers large and the colors exceptionally clear and beautiful. Height 2½ ft.....Pkt. 25c

1054 **GIANT MIXED SNAPDRAGONS.** Height 30 in..... ¼ oz. 50c, pkt. 10c

1060 **HALF DWARF SNAPDRAGONS.** Height 18 in..... ¼ oz. 50c, pkt. 10c



AQUILEGIA—DOBBIE'S IMPERIAL HY- BRID. A vigorous free flowering strain.

#### AQUILEGIA or Columbine (Perennial)

1073 **DOBBIE'S IMPERIAL HYBRIDS.** Height 2 ft. Splendid plants for par- tially shaded positions in the border or rockery. Foliage is graceful and fern- like; the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow..Pkt. 15c

## The Flower Educator

Lovers of flowers will read with inter- est and pleasure Audel's Flower Edu- cator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size Reference Book \$1.50

ppd.

*In early spring, Alyssum Saxatile Compactum becomes a mass of yellow gold—a fine com- panion to spring flowering bulbs. (See 1034 this page.)*

# Wilt Resistant Asters

A special strain bred to resist Fusarium Wilt and much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured a brilliant garden display and flowers for cutting from mid-summer to frost.



Early Beauty Asters bloom from early September to frost.

## Early Beauty

(Early Midseason Wilt Resistant)

This beautiful strain is rapidly superseding American Branching for general use. Plants are of the non-lateral branching type, grow 2-3 ft. tall, and produce enormous flowers on long, strong stems. Superb for cutting.

- 1100 Crimson.
- 1101 September Beauty, flesh pink.
- 1102 Azure Fairy, clear lavender-blue.

Any of the above, pkt. 15c.

## Early Dawn

(Earliest of All)

A new class that is very early, beginning to flower in mid-July. Large, well-formed blooms about 4 inches across, borne on strong stems. Plants grow 16 to 18 inches tall. An excellent cutting variety.

- 1110 Finest Mixed.... 1/8 oz. 40c; pkt. 15c

## Early Royal

(Early Midseason Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

- 1125 Royal Rose.
- 1127 Royal Lavender.
- 1128 Royal Purple.

Any of above, pkt. 15c.

- 1130 Royal Mixed. 1/8 oz. 40c; pkt. 15c

## Giant Mammoth Peony Flowered (Midseason)

A super strain with immense double flowers of perfect form, borne on long stout stems characteristic of the true peony flowered type. Wonderful for cut flowers and a splendid keeper and shipper. Plants grow 2 1/2-3 ft. tall, and bloom from July until frost.

- 1140 Finest Mixed. 1/8 oz. 40c; pkt. 15c

## Special Aster Offers

### Novelty Collection

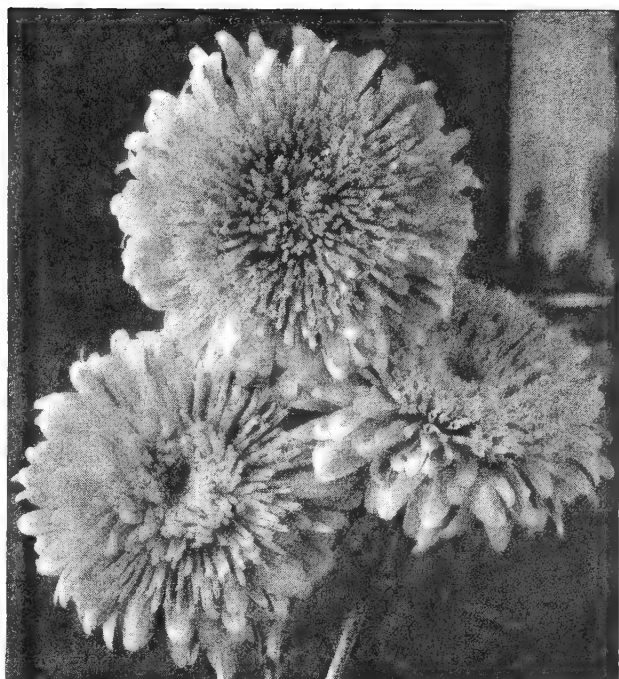
- One Packet Each:
- Princess Anne, Pink.
- Golden Sheaf, Yellow.
- Azure Fairy, Blue.
- Scarlet King, Red.

} 60c

### Long Season Collection

- One Packet Each:
- Early Dawn Mixed.
- Early Royal Mixed.
- Peony Flowered Mixed.

} 40c



This is Aster Princess Bonnie, a beautiful shade of salmon rose.

## These New Asters Bloom in Mid-August

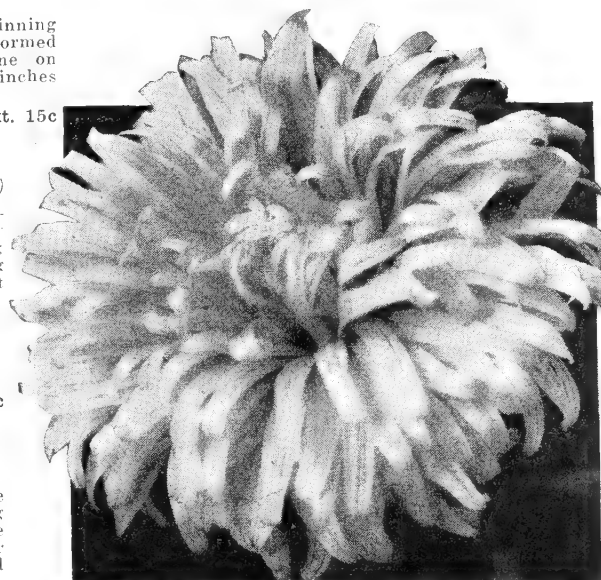
### Early Giant Wilt Resistant

The most outstanding new development in Asters. The flowers are full petaled and very large, 4 to 5 inches across. Plants are 1 1/2 to 2 feet tall, with branches low on central spike. Stems are strong and heavy, ideal for cutting. This exceptional new class comes into bloom during early to mid August.

- 1115 Light Blue. A large lacy flower.
- 1116 Peach Blossom. White flushed pink.
- 1117 Rose Marie. Rich rose.

Any of the above, pkt. 20c  
3 pkts. (1 of each) for 50c

For Aster Plants, see Page 27.  
For Hardy Asters, see Page 46.



Aster Early Giant Rose Marie, a rich, lively shade of rose.

## New Crested Asters

(Early Midseason, Wilt Resistant)

This beautiful new type has large blooms with full crested centers surrounded by several rows of strong guard petals. The plants are free blooming and grow about 2 ft. high.

- 1151 PRINCESS ANNE. Flowers open a delicate pink, turning to rosy pink as they mature.
- 1152 PRINCESS BONNIE. A beautiful soft shade of salmon rose.
- 1153 PRINCESS MARSHA. Cinnabar scarlet with a rich gold center.
- 1154 GOLDEN SHEAF. The best Yellow Aster yet offered.

Any of the above, pkt. 20c.  
4 pkts. (1 each of above) for 70c.

## Giant Single Southcote Beauty

(Early Midseason)

Unrivalled by any other aster for cutting and house decoration. The flowers have long, perfectly formed petals and comparatively small, golden-yellow centers. Plants are of branching habit, 2-2 1/2 ft. tall; blooms are borne on long stiff stems.

- 1155 Dark Blue.
- 1156 Bright Rose.
- 1157 Lavender.
- 1158 Scarlet.

Any of the above, pkt. 10c.

## Giant California Sunshine

(Midseason)

The most beautiful and artistic of all Asters. The flowers have cushion centers of light yellow tubular petals, surrounded by broad guard petals of pink, rose, blue or lavender, producing a wonderful color contrast and presenting an airy, lace-like effect. Individual blooms are 5-6 inches in diameter, on long, stiff stems. Plants 2 1/2-3 ft. high.

- 1169 Finest Mixed..... 1/8 oz. 50c; pkt. 20c

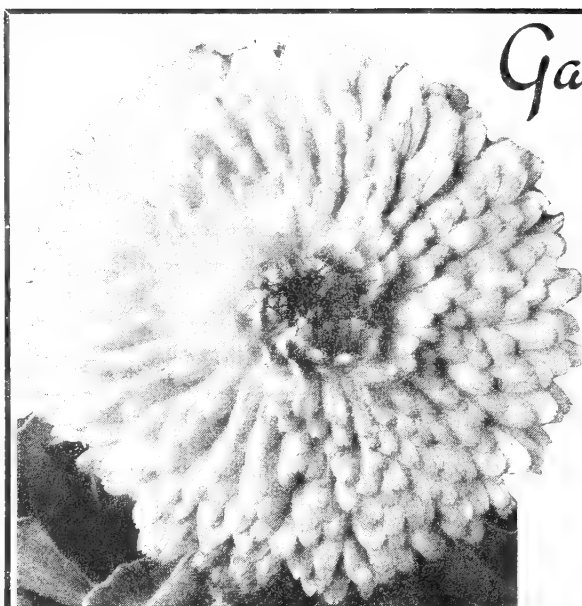
## The Best Red Asters

(Early Midseason, Wilt Resistant)

- 1174 SCARLET KING. Brilliant scarlet flowers, large and very double.....Pkt. 15c
- 1175 HEART OF FRANCE. Rich deep glowing red.....Pkt. 15c

For Sturdier Plants and Larger, Healthier Blooms Treat Aster Seed With Semesan—See Page 17.





## Gay Calendulas

### Scotch or Pot Marigold (Annual)

- 1212 **YELLOW COLOSSAL.** (New.) Clear bright yellow flowers, 4½ inches across. Blooms profusely for 3 months. Pkt. 15c
- 1213 **GLOWING GOLD.** (New.) Loose fluffy petals, giving the appearance of a golden ball. Pkt. 20c
- 1214 **CHRYSANTHA or SUNSHINE.** Bright buttercup-yellow; long curling petals. ½ oz. 40c; pkt. 10c
- 1215 **APRICOT QUEEN.** Bright apricot, deepening slightly at center. ½ oz. 40c; pkt. 10c
- 1216 **MASTERPIECE.** Rich deep orange with a darker center. ½ oz. 40c; pkt. 10c
- 1217 **CAMPFIRE (Sensation).** Extra large orange flowers with an iridescent scarlet sheen. ½ oz. 50c; pkt. 10c
- 1219 **DOUBLE ART SHADES.** Pastel hues of apricot, cream, and orange. ½ oz. 50c; pkt. 15c

These brilliant flowers bloom from early summer to frost, and thrive even in poor soil. The plants are bushy and grow about 2 feet high.

BABY'S BREATH, see Gypsophila, page 52.

BACHELOR'S BUTTON, see Centaurea.

### BALLOON VINE (Annual Climber)

- 1200 Height 10-15 ft. Graceful climber with pale green foliage and small white flowers followed by ornamental seed pods resembling balloons. ½ oz. 20c, pkt. 10c

### BALSAM (Annual)

- 1205 **DOUBLE MIXED.** Height 18-24 in. Sturdy bushy plants with large double flowers clustered in the axils of the leaves. Colors: red, rose, pink and white. Prefer rich soil and sunny position. Pkt. 10c

### BELLIS, English Daisy (Perennial)

- 1208 Height 6-8 in. Compact plants, with leaves forming a rosette; the daisy-like flowers of rose and white are borne on stiff stems. Bloom all summer. Pkt. 10c

### BRACHYCOME, Swan River Daisy (Annual)

- 1209 Height 8 in. Compact plants with deeply cut foliage and dainty flowers. Suitable for edging and pot culture. Blooms all summer. Mixed colors. Pkt. 10c

## California Poppies

### Eschscholtzia (Annual)

Only those who have used California Poppies for summer bedding have any idea of the gorgeous effect produced by their brilliant colors. They thrive in loose sandy soil, in full sun and bloom early and continuously.

- 1221 **DOUBLE CHOICE MIXED.** Large double flowers in brilliant shades of crimson, deep red, yellow orange and gold. Pkt. 10c

### CALLIOPSIS, Golden Wave (Annual)

- 1222 Height 2-3 ft. Plants are much branched and produce an abundance of showy flowers in various shades of crimson, orange and gold, all summer. Pkt. 10c

### CANARY BIRD VINE (Annual Climber)

- 1235 Height 15-20 ft. Dainty cut foliage and curious bird-like blossoms of a clear canary yellow. Fine for covering stumps, trellises or fences. Pkt. 10c

### CARDINAL CLIMBER (Annual)

- 1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy. Pkt. 10c

## Canterbury Bells

### Campanula Biennial

Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.

- 1225 **SINGLE CANTERBURY BELLS.** Mixed colors, rose, blue and white. Pkt. 10c
- 1226 **DOUBLE CANTERBURY BELLS.** Mixed colors, pink, blue and white. Pkt. 10c
- 1232 **CUP AND SAUCER CANTERBURY BELLS.** Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors. Pkt. 10c



Beautiful "Cup and Saucer" Canterbury Bells.

## Candytuft

### (Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

- 1240 **GIANT HYACINTH-FLOWERED.** 1 ft. Snow-white flowers. ½ oz. 25c; pkt. 10c
- 1242 **FINEST MIXED.** ½ oz. 25c; pkt. 10c

### CANDYTUFT, IBERIS (Perennial)

- 1243 **SEMPERVIRENS.** 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden. ½ oz. 60c; pkt. 15c



CANDYTUFT grows quickly and easily from seed. The snowy-white spikes of Giant Hyacinth-Flowered are excellent for cutting.

## Carnation

### Giant Flowering (Annual)

Few flowers surpass in fragrance the spicily-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

- 1251 **GIANT ENFANT DE NICE.** Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors. Pkt. 20c
- 1252 **GIANT DOUBLE MARGUERITE.** Blooms abundantly within five months from planting. Finest mixture. Pkt. 15c

CASTOR BEAN, see Ricinus, page 55.

## Centaurea

### Bachelor's Button—Cornflower

### Cyanus (Annual)

These new improved varieties have larger flowers, stiffer stems and more vivid coloring. They grow about 30 inches tall, bloom all summer, and make fine cut flowers.

- 1260 **RED BOY.** 1261 **SNOWMAN.**  
1262 **BLUE BOY.**  
Each, ½ oz. 25c; pkt. 10c.

Victory Special, 3 pkts. (1 of each) 25c.

- 1268 **JUBILEE GEM.** 1 ft. This dwarf variety forms a compact plant, literally covered with vivid deep blue flowers. Pkt. 15c
- 1269 **DOUBLE MIXED.** ¼ oz. 40c; pkt. 10c

### Giant Sweet Sultans, 2½ ft.

Beautiful, fluffy, double flowers on long smooth stems. Fragrant and extra-fine for cutting.

- 1275 **DEEP LAVENDER.**  
1276 **YELLOW** (Suaveolens).  
1277 **AMERICANA** (Basket Flower). Lavender.  
1278 **IMPERIALIS FINEST MIXED.**

Any of above, ⅛ oz. 25c; pkt. 10c

# Tall Stately Delphiniums

## HARDY LARKSPUR (Perennial)

- 1333 **BELLAMOSUM**. Deep blue...Pkt. 15c  
 1334 **CLIVEDEN BEAUTY**. (Improved Belladonna.) Turquoise blue....Pkt. 15c  
 1335 **GOLD MEDAL HYBRIDS**. Color from pale lavender to deep blue, with many double.....Pkt. 20c  
 1336 **WREXHAM HOLLYHOCK STRAIN**. Giant flowered strain with double blooms 1½ to 2 inches across, many of them bicolor.....Pkt. 35c  
 1337 **PACIFIC GIANTS**. Developed on the Pacific Coast. Florets 2 inches across, on 5 ft. stems, slender and wiry. Mildew resistant. Blue shades...Pkt. 50c  
 1338 **BLUE BUTTERFLY** (Annual). (Chinese Delphinium.) 18 in. Intense gentian-blue florets; finely cut foliage.....Pkt. 15c

DELPHINIUM PLANTS, see page 46.

For Color Illustration See Page 42

## ← Cathedral Bells

### COBAEA SCANDENS, (Annual Climber)

- 1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers 1½ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc.....Pkt. 10c

## Clarkia

(Annual)

- 1300 **ELEGANS DOUBLE MIXED**. Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling sprays of Flowering Almond....Pkt. 10c

## Double Coreopsis

(Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

- 1309 **DOUBLE SUNBURST**. This new form is very popular, the extra petalage adding a further charm to the immense golden yellow flowers.....Pkt. 20c

## Cypress Vine

(Annual Climber)

- 1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage.....Pkt. 10c



### CATHEDRAL BELLS

(Cobaea Scandens)

This graceful climber has beautiful bell-shaped flowers of deep violet-blue.

## Chrysanthemum

- 1285 **ANNUAL CHRYSANTHEMUMS**. Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer.....½ oz. 25c; pkt. 10c  
 1290 **SHASTA DAISY** (Perennial). Height 2 ft. June-August. Bears large white flowers on long stems; invaluable for cutting. Very free flowering.....Pkt. 10c

## Cockscomb

Celosia (Annual)

- 1255 **CRISTATA**. Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors.....Pkt. 10c  
 1258 **PLUMOSA**. Height 3½ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors.....Pkt. 10c  
 1259 **PYRAMIDALIS** (Flame of Fire). Height 1½ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet.....Pkt. 20c

## New Giant Cosmos

- 1310 **EARLY FLOWERING MAMMOTH MIXED**. 4-6 ft. Contains soft shades of crimson, pink and lavender...Pkt. 10c  
 1312 **ORANGE FLARE**. 3-4 ft. Blooms in about three months from seed, and continues until killing frost. Flowers are a beautiful showy golden orange. The plants are sturdy and well-branched, with deep green foliage...Pkt. 10c  
 1313 **YELLOW FLARE**. Like Orange Flare, except in color, which is a rich golden yellow.....Pkt. 25c  
 1314 **SENSATION**. Giant Early Strain. 4 ft. Flowers are 4-5 inches across, with heavy fluted petals. Colors: rose-pink, Cardinal-red, and white, with a satiny sheen.....Pkt. 15c  
 1315 **CRESTED OR DOUBLE SENSATION**. Early Strain. 4 ft. As large as the popular Sensation Cosmos, but with a 2-inch crested center, making it appear even more mammoth. Colors are white, pink and crimson.....Pkt. 20c



- 1316 **GIANT SENSATION DAZZLER**. A 1943 All-America Winner. A luscious shade of rich deep velvety crimson. The broad fluted petals slightly overlap, giving the flower a very full appearance....Pkt. 25c



The flowers of Dianthus Sweet Wivelsfield are sweetly fragrant and come in a wide range of gay colors.

## Dianthus or Pinks

China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

- 1340 **SWEET WIVELSFIELD**. A splendid border and cut flower. The blooms are larger than Sweet William, with brilliant colorings and markings.....Pkt. 15c  
 1341 **HEDEWIGI LACINIATUS, DOUBLE MIXED**. 1 ft. Brilliant colors, many striped and mottled.....Pkt. 10c  
 1348 **HEDEWIGI LACINIATUS, SINGLE MIXED**. 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors.....½ oz. 25c; pkt. 10c

## Didiscus

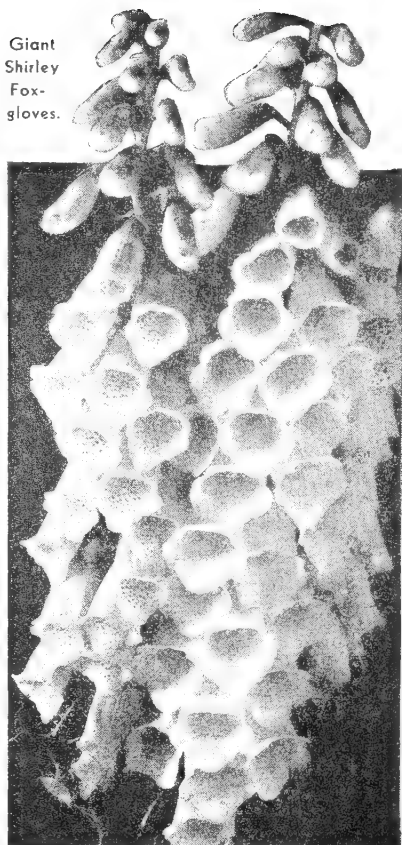
Blue Lace Flower (Annual)

- 1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. Color, an exquisite shade of clear lavender-blue. Fine for cutting.....Pkt. 10c

DIGITALIS, see Foxglove, page 52.

If you want a dwarf plant with brilliant coloring sow Zinnia Linearis. (See Page 59.)

Giant  
Shirley  
Fox-  
gloves.



# Gaillardias Bloom all Summer

## Blanket Flower (Annual)

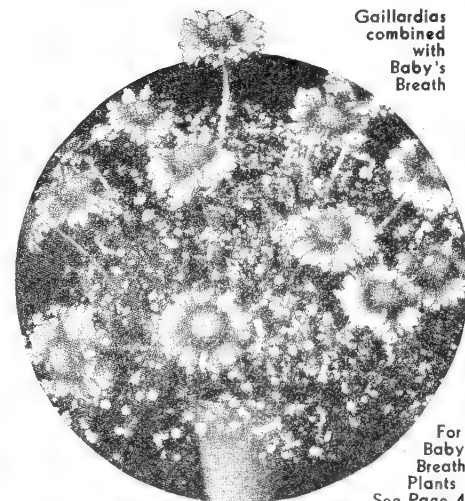
Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

- 1379 **INDIAN CHIEF**. 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center. . . . . 1/8 oz. 25c; pkt. 10c
- 1380 **LORENZIANA DOUBLE FINEST MIXED**. 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson. . . . . 1/8 oz. 25c; pkt. 10c

## Gaillardia Grandiflora (Perennial)

One of the few perennials that flowers continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

- 1381 **THE DAZZLER**. 2 ft. Large golden-yellow flowers with rich maroon centers. . . . . Pkt. 15c
- 1382 **BURGUNDY**. 2 ft. Shining wine-red flowers. 2 1/2 inches in diameter on long, stiff stems. . . . . Pkt. 20c

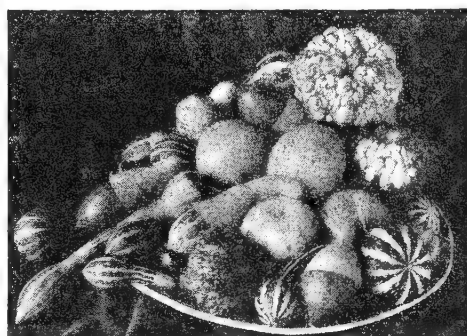


Gaillardias  
combined  
with  
Baby's  
Breath

For  
Baby's  
Breath  
Plants  
See Page 46

## ← Foxglove or Digitalis

- 1355 **SHIRLEY HYBRIDS**. Height 6 ft. The flower-heads are over 3 feet long, closely set with big bell-shaped blossoms of white, rose and crimson with beautiful throat markings. Mixed colors. . . . . Pkt. 15c



BRIGHTLY COLORED GOURDS arranged in a bowl or basket make an unusual centerpiece for the table.

## DOLICHOS, Hyacinth Bean (Annual Climber)

- 1357 Height 10 feet. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly. . . . . 1/2 oz. 25c; pkt. 10c

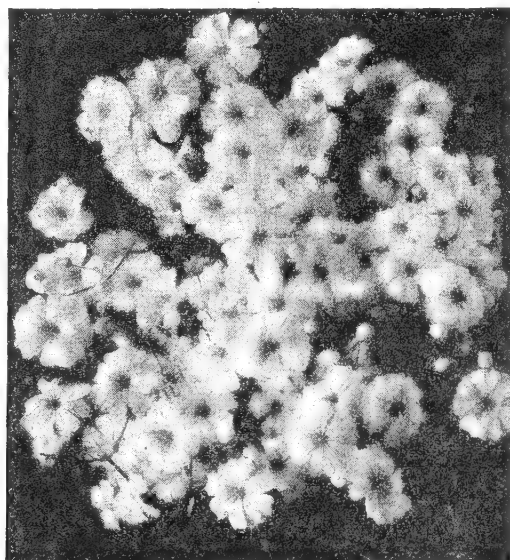
ENGLISH DAISY, see Bellis, page 50.

FEVERFEW, see Matricaria, page 54.

FORGET-ME-NOT, see Myosotis, page 54.

## FOUR O'CLOCKS, Marvel of Peru (Annual)

- 1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color. . . . . 1/4 oz. 15c; pkt. 10c



Annual Baby's Breath will add a charm to any bouquet of garden flowers.

## Baby's Breath

### Gypsophila (Perennial)

- 1410 **PACIFICA**. New rose-pink form, coming into bloom after the paniculata variety has passed. . . . . Pkt. 25c
- 1415 **PANICULATA**. 2-3 ft. Plants are branchy and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers and for winter bouquets. . . . . Pkt. 10c

## ANNUAL GYPSOPHILA

Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

- 1416 **ELEGANS GRANDIFLORA ALBA**. 1 1/2 ft. Large-flowering pure white. . . . . 1/4 oz. 25c; pkt. 10c
- 1417 **ELEGANS GRANDIFLORA ROSEA**. 1 1/2 ft. Beautiful soft pink. 1/4 oz. 25c; pkt. 10c

HELIANTHUS, see Sunflower, page 57.

## New Hollyhocks

- 1436 **DOUBLE TRIUMPH**. 5 ft. Beautifully fringed rosette flowers in many new pastel shades and bi-color combinations. . . . . 1/2 oz. 60c; pkt. 15c
- 1437 **CHATER'S DOUBLE MIXED**. 5 ft. Extremely double flowers resembling small peonies with closely packed petals. Color range includes crimson, rose-pink, yellow, salmon and scarlet. . . . . 1/2 oz. 60c; pkt. 15c
- 1440 **ANNUAL INDIAN SPRING**. Blooms in 5 months from seed. Has double and semi-double fringed flowers in shades of pink on 4-5 ft. plants. . . . . Pkt. 15c

## GOMPHRENA, Globe Amaranth (Annual)

- 1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open. . . . . Pkt. 10c

## GOURDS, ORNAMENTAL (Annual Climber)

- 1393 **SMALL VARIETIES MIXED**. 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children. . . . . 1/4 oz. 25c; pkt. 10c

## HELICHRYSUM, Everlasting or Strawflower (Annual)

- 1425 Height 2-3 ft. Large double flowers, 1-1 1/2 in. across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets. . . . . Pkt. 10c

## HUNNEMANNIA or Tulip Poppy (Annual)

- 1444 **SEMI-DOUBLE SUNLITE**. Height 18 in. July to September. Flowers clear canary-yellow, about 3 in. across. Unlike other double flowers, this novelty develops a band of short petals on the outside of the cup, which adds to its size and charm. . . . . Pkt. 15c

## Garden Books

AUDEL'S GARDENERS' AND GROWERS' GUIDE—Four volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Circular free.

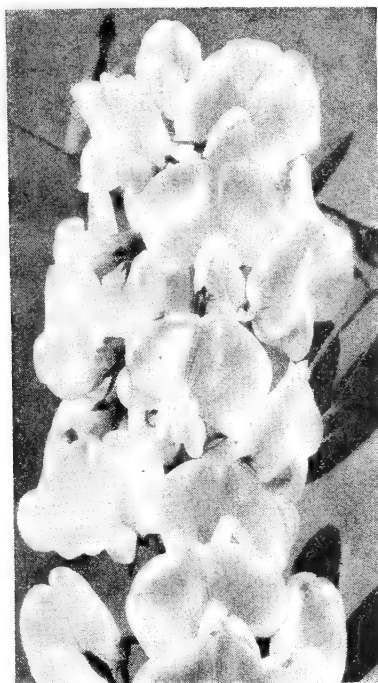
Four Volumes

Flexible Art Binding

\$5.35  
ppd.

"Dainty Gem" is a new two-tone Zinnia of flesh-pink with a bright rose-pink center. Gay and colorful to use in bouquets. See page 59.





Lathyrus can be trained on posts, trellises or wires to fill in any gaps.

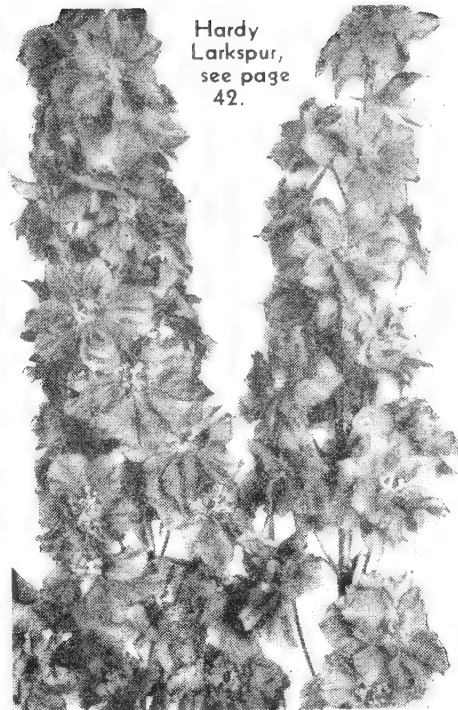
# Annual Larkspurs

## Giant Imperial Double

A new strain, especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

- 1470 **BLUE BELL.** Azure blue. A fine medium blue.
- 1471 **BLUE SPIRE.** Deep violet-blue.
- 1472 **DAZZLER.** Rich, lustrous scarlet.
- 1473 **MISS CALIFORNIA.** Salmon-rose.
- 1474 **WHITE SPIRE.** Dazzling pure white.
- 1475 **GIANT IMPERIAL MIXED.**

Any of the above, 1/8 oz. 40c; pkt. 15c.  
3 Packets (your choice) for 40c.



Hardy Larkspur, see page 42.

## KOCHIA, Summer Cypress (Annual)

- 1465 Height 2-2 1/2 ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall. 1/2 oz. 25c; pkt. 10c

## LATHYRUS, Perennial Pea (Perennial Climber)

- 1480 **LATIFOLIUS.** 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbed. Pkt. 10c

Give flowers a good start  
with **SEMESAN** Pkt. 10c  
See page 17  
for details.

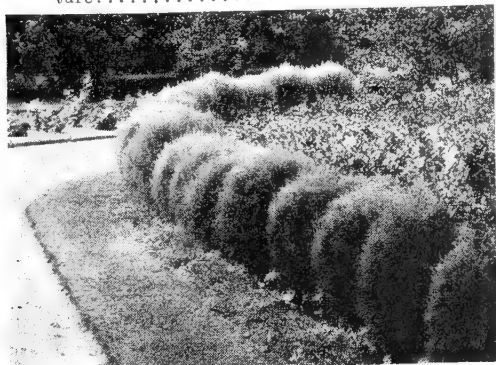


## LINARIA, Marroccana (Annual)

- 1486 **FAIRY BOUQUET.** 8 in. Flowers are small and dainty, resembling miniature snapdragons. The colors range through crimson and gold, pink, mauve, blue and rose. Bloom in about 8 weeks from seed. Pkt. 15c

## LOBELIA, Crystal Palace (Annual)

- 1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture. Pkt. 10c



Kochia may be clipped to form a perfect hedge.

## LUNARIA or Honesty (Biennial)

- 1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with Physalis and other Everlastings. Pkt. 10c

## LUPINS, Hartwegii (Annual)

- 1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom. Pkt. 10c



Marigold.  
Yellow  
Supreme.

## French Marigolds

- 1503 **SPRY.** 9 in. Flowers have a bright orange crested center with maroon outer petals. Plants are uniform, compact, early flowering. Pkt. 15c
- 1504 **DWARF ROYAL SCOT ALL DOUBLE.** 10 in. This new strain is of dwarf bushy growth, with rich mahogany and gold flowers uniformly striped. Pkt. 15c
- 1505 **DWARF DOUBLE BUTTERBALL.** 9 in. An exquisite little Marigold with 1 1/2-inch canary-yellow blooms. Early and continuous flowering, excellent for edging or pot plants. Pkt. 20c
- 1506 **SCARLET GLOW.** 10 in. Bright bronze-red flowers on compact bushy plants. The brightest red double French sort. Pkt. 15c
- 1507 **DWARF DOUBLE SUNKIST.** 9 in. A 1943 Silver Medal Winner. Very early and like Butterball in habit and form, but the color is a rich, deep golden orange. Pkt. 25c

# New Marigolds

## Novelty Strains

- 1495 **DWARF CHRYSANTHEMUM FLOWERED GOLDEN BEDDER.** Earliest of all Marigolds. Flowers are golden orange with a row of outer guard petals surmounted by a fully double crest. Plants form symmetrical mounds and send up long stems, fine for cutting. Pkt. 25c

- 1496 **NEW MAMMOTH MUM.** (See page 48.)

- 1497 **MISSION GIANT GOLDSMITH.** 2 ft. Giant chrysanthemum - like blooms of a rich, golden orange, very full and double. Plants are base-branching, early and free-flowering. Pkt. 20c

- 1498 **YELLOW SUPREME.** 2 ft. Flowers are semi-double, loosely ruffled, of a rich, creamy yellow color, of the true carnation flowered type. Plants are practically free from Marigold odor. Pkt. 10c

- 1499 **BURPEE GOLD.** 2 ft. Beautiful carnation-like, fully double flowers, of an even, rich deep orange color, 3 1/2 inches across. Early flowering and free from Marigold odor. Pkt. 10c

## Double African Marigolds

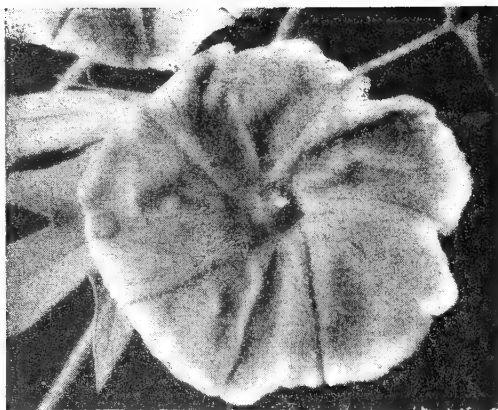
- 1500 **LEMON QUEEN.** 30 in. Large double quilled flowers of lemon yellow. Pkt. 10c
- 1501 **PRINCE OF ORANGE.** 30 in. Immense double-quilled flowers with ends of petals slightly frilled. Color is a deep golden orange. Pkt. 15c
- 1502 **FINEST MIXED VARIETIES.** All shades from pale yellow to deep orange. Pkt. 10c

## Marigold Special

**BORDER COLLECTION** One Packet Each:  
SPRY, orange and maroon BUTTERBALL, yellow  
ROYAL SCOT, mahogany and gold SCARLET GLOW, red

**All 5** SUNKIST, brilliant orange  
(Value 90c) ppd. for **75c**

Both Zinnias and Marigolds require plenty of space to develop—set plants 18 inches apart and pinch off tops when six inches high, to make them bushy.



Morning Glory Cornell has flowers of intense carnelian-red, bordered white.

## Morning Glories

### Ipomea (Annual Climber)

Beautiful vines of luxuriant growth, covered with large, variously colored flowers all summer. Splendid for covering trellises, arbors and porches.

- 1520 **PEARLY GATES.** Large satiny white flowers with cream shading in throat. The luxuriant foliage sets off the flowers to best advantage and gives them a beautiful appearance.....Pkt. 15c
- 1523 **CORNELL.** Large flowers of an intense carnelian red, with a pure white border. The vines are strong and bloom profusely until killed by frosts.....Pkt. 15c
- 1525 **SCARLETT O'HARA.** A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March.....Pkt. 15c
- 1526 **EARLY FLOWERING HEAVENLY-BLUE.** Vines are a mass of lovely sky-blue flowers, 2½-3 inches across, from early summer to frost.....Pkt. 15c
- 1527 **SELECT MIXED.** Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc.....½ oz. 40c; pkt. 10c

### Red, White and Blue Morning Glory Collection

One } Pkt. } Each }	Scarlett O'Hara Pearly Gates Heavenly Blue	40c
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### MATRICARIA Feverfew (Tender Perennial)

- 1512 **CAPENSIS.** 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting.....Pkt. 10c

MATTHIOLA, see Stock, page 57.

### MIGNONETTE, Reseda (Annual)

- 1516 **MACHET.** 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting.....Pkt. 10c.

Moss Rose, see Portulaca, page 55.

MOURNING BRIDE, see Scabiosa, page 56.

### MYOSOTIS or Forget-Me-Not (Perennial)

- 1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection.....Pkt. 10c

## Fragrant Double Nasturtiums

The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants.

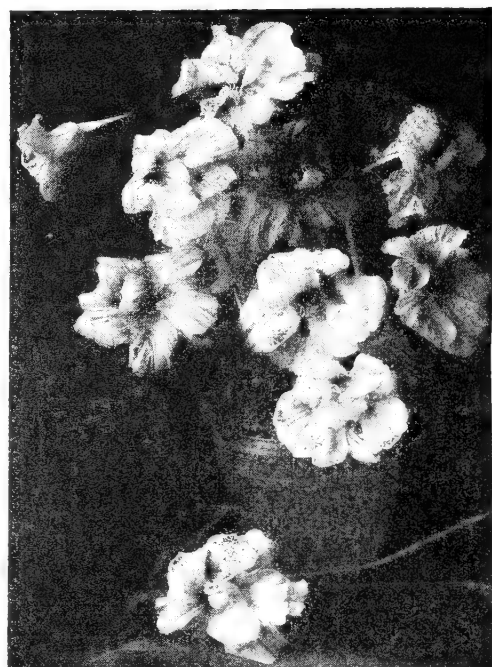
### Double Gleam Type

- 1567 **CAPRICE.** Primrose and salmon-cerise blotched. A striking color combination.
- 1568 **INDIAN CHIEF.** Double sweet-scented flowers of vivid scarlet. The foliage is dark green.
- 1570 **GOLDEN GLEAM.** Fragrant golden-yellow flowers on long stems.
- 1571 **SCARLET GLEAM.** Fiery orange-scarlet flowers with ruffled petals.

Any of above, pkt. 15c

- 1572 **DOUBLE GLORIOUS GLEAM HYBRIDS.** Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet maroon and rose shades. Fragrant and profuse flowering.....Pkt. 15c
- 1573 **DWARF DOUBLE GEM MIXTURE.** The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarlet.....Pkt. 15c
- 1574 **DWARF SINGLE MIXED.** 1 ft. Giant flowers in a great variety of gay color combinations and the brilliant self-colored sorts.....Oz. 30c; pkt. 10c
- 1575 **TALL GIANT FLOWERING MIXED.** 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls.....Oz. 30c; pkt. 10c

Note — The Black Bean Aphid is an almost inevitable pest of Nasturtiums. It infests the stems and undersides of the leaves, curling and distorting them. Spray or dust with a contact insecticide, such as Black Leaf 40 or Rotenone Garden Guard. See page 74 for prices.



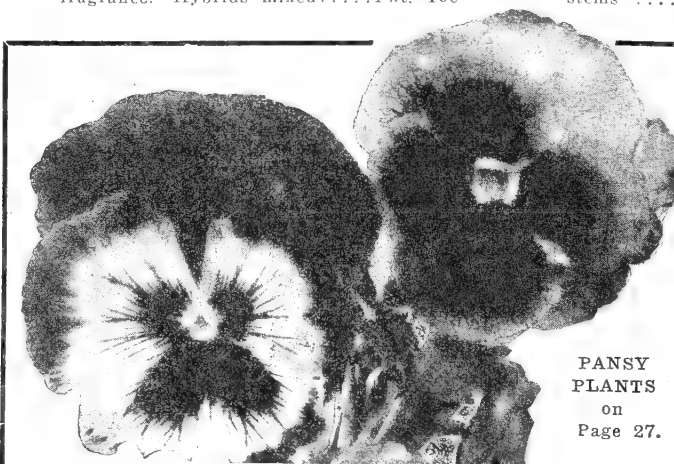
The new **DOUBLE NASTURTIIUMS** are miracles of beauty. For making up bouquets in low bowls we could not recommend more striking and effective flowers.

### Nicotiana Flowering Tobacco (Annual)

- 1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed.....Pkt. 10c

### Nigella Love-in-a-Mist (Annual)

- 1545 **MISS JEKYLL.** Height 18 in. Plants are compact and free-flowering with finely cut foliage and large semi-double flowers of a lovely cornflower-blue on long stems.....Pkt. 10c



PANSY  
PLANTS  
on  
Page 27.

## New Giant Pansies

IMPROVED STRAINS

The seed may be started indoors in February or in a cold frame in March, in carefully pulverized rich soil. Transplant to open ground in May.

If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch of straw, or similar material in fall, and they will endure hard winters with perfect safety.

- 1620 **ENGLEMANN'S SPECIAL GIANT.** Re-selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering.....Pkt. 35c
- 1628 **ROGGI SWISS GIANTS MIXED.** Giant flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants.....Pkt. 25c
- 1631 **TRIMARDEAU MIXTURE.** A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors.....Pkt. 20c

Imperial Giants Blue Moon is a New Type of Annual Scabiosa with Large, Double Flowers  
Page 54 Composed of Broad, Wavy Petals. The Color is Deep Lavender Blue.

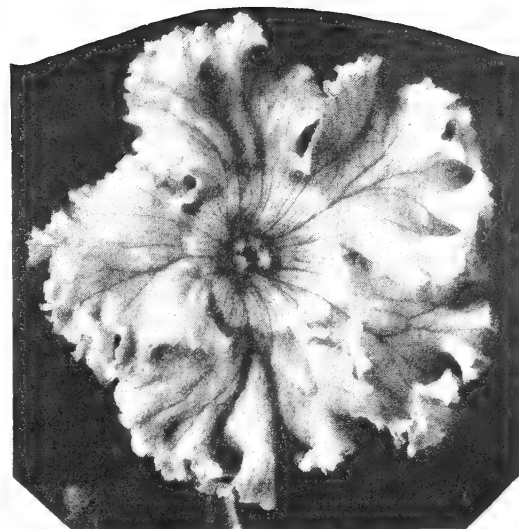
# Brilliant New Petunias

## Bedding Petunias

Dense bushy little plants, 8-12-inches high, literally covered with flowers. Indispensable for borders, pots, rock gardens and bedding.

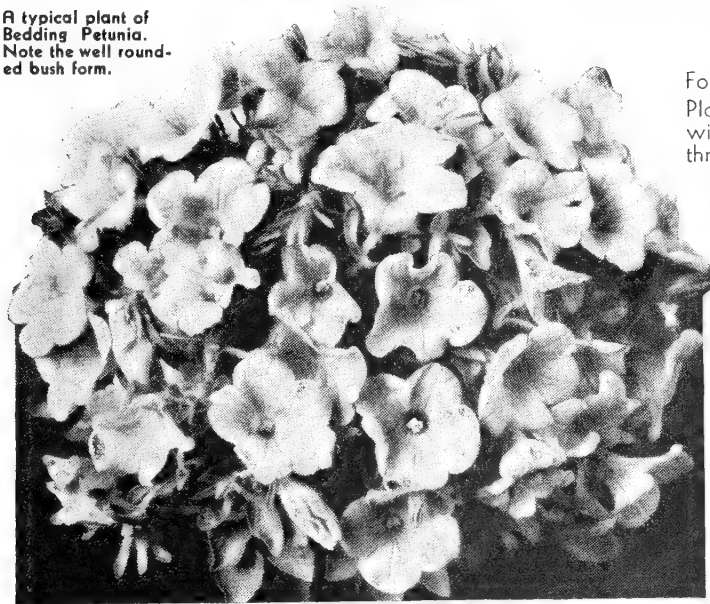
- 1642 **RADIANCE.** Brilliant cerise-rose with a salmon undertone to remove all harshness. Blooms are 2½ inches across and have a golden throat. ....Pkt. 20c
- 1645 **BETSY ROSS.** A ruffled dwarf Petunia in red and white, blending to golden and deep red in the throat. The blooms are 2½ inches across. Creates a gay effect in the garden. ....Pkt. 20c
- 1646 **ENGLISH VIOLET.** A 1943 All-America Selection. It has the same beautiful color as English Violets. All flowers on a plant hold this uniform color from the time they open until the last bloom. ....Pkt. 25c
- 1648 **MARS.** A uniform, deep lively crimson, with a velvety texture. Deeper in color, and larger flowered than Flaming Velvet, the blooms average three inches. ....Pkt. 25c
- 1649 **TOPAZ QUEEN.** "The Queen of the Pinks." A deep, rich rose-pink that does not fade in the brightest sun. Dwarf and compact, its large flowers make a brilliant showing. ....Pkt. 25c
- 1650 **VIOLACEA.** Deep rich violet-blue. ....Pkt. 15c
- 1651 **FINEST MIXED BEDDING PETUNIAS.** ..... ¼ oz. 60c; pkt. 10c

For Petunia Plants see Page 27



Theodosia, a Giant Single Fringed Petunia of Soft Rose-Pink.

A typical plant of Bedding Petunia. Note the well rounded bush form.



## Balcony Petunias

For Porch & Window Boxes. Plants are of trailing habit, with immense single flowers, three inches in diameter.

- 1656 **DEEP BLUE.** Beautiful deep violet-blue. ....Pkt. 15c
- 1657 **ROSE.** Brilliant Tyrian rose. Pkt. 15c
- 1658 **RED WONDER.** The brightest red of all. Free blooming, with extra-large flowers 3¾ in. across. ....Pkt. 20c
- 1659 **BLACK PRINCE.** Deep rich velvety red. ....Pkt. 15c
- 1660 **CORN FLOWER BLUE.** Rich blue. ....Pkt. 15c

## Giant Petunias

For Pot Plants or Bedding. Plants grow about 12 inches high, of bushy habit, with enormous flowers, 4 inches across.

- 1652 **KING HENRY.** Color a velvety blood-red. Plants of compact, globular habit, with giant single blooms on short stems. ....Pkt. 25c
- 1653 **SETTING SUN.** A Giant Single Flowering Fringed Petunia. Forms compact bushes, 12 inches high, covered with fringed blossoms of bright rose-pink, measuring 3 inches across. ....Pkt. 35c
- 1654 **ELK'S PRIDE.** A Giant Single Petunia of exceptional beauty. The color is a deep, velvety purple. Plants are dwarf, compact and vigorous. ....Pkt. 25c
- 1655 **THEODOSIA.** A Giant Single Fringed Petunia of soft rose pink, with wide-golden throat, delicately veined. Gracefully fringed and ruffled. ....Pkt. 30c

## Annual Phlox

### Drummondii Gigantea

Improved Annual Phlox rivals in size the hardy perennial varieties and is unsurpassed for massing and bedding. It provides an unfailing display of color and cut flowers from early July until well into October.

- 1664 **RED GLORY.** 1942 All-America Winner. Rich bright red, with contrasting white eye. ....Pkt. 20c
- 1665 **ROSY MORN.** Deep rose-pink with a white eye. ....Pkt. 20c
- 1666 **FINEST BEDDING MIXED.** 12 in. ....Pkt. 10c
- 1673 **STAR CHOICE MIXED.** 12 in. ....Pkt. 10c

For HARDY PHLOX PLANTS, see page 46, and color illustration, page 42.

## Physalis

Chinese Lantern  
(Perennial)

- 1675 **FRANCHETTI.** 18-24 in. Plants form dense bushes and bear bright, orange-scarlet pods, resembling miniature Chinese lanterns. May be dried and used for winter bouquets. Very attractive combined with Lunaria. ....Pkt. 30c

PINKS, see Carnation, Dianthus and Sweet William.

## Platycodon

Balloon Flower  
(Perennial)

- 1679 **GRANDIFLORA BLUE.** Height 18-24 in. Handsome compact-growing plants, bearing an abundance of broad, bell-shaped blue flowers in July. The flowers when in bud have the appearance of inflated balloons. ....Pkt. 10c

## Pyrethrum

Painted Daisy  
(Perennial)

- 1726 **SINGLE RUBY RED.** 2 ft. Large, single, disk-like flowers of rich crimson-red. Plants set in groups of 3 or 4, add brilliance to the garden. Blooms in June and again in late summer. ....Pkt. 15c

## Rhodanthe

Everlasting  
(Annual)

- 1729 **MANGLESII ROSE.** 1 ft. One of the few everlastings which retains its grace and beauty after being dried. Flowers cut before they fully expand retain their beautiful bell form. ....Pkt. 10c

## Ricinus

Castor Bean  
(Annual)

- 1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color. ....Oz. 35c; pkt. 8c

## Portulaca

Moss Rose  
(Annual)

Portulacas thrive in a dry, sunny position where most other flowering plants would die of drought. They are but 4 inches high, of spreading habit and form a dense thick carpet. The glossy cup-shaped single blossoms and rose-like double flowers cover the plants and make a brilliant display all summer.

- 1712 **SINGLE MIXED.** ¼ oz. 50c; pkt. 10c
- 1713 **DOUBLE MIXED.** ¼ oz. \$1.00; pkt. 15c



Sow PORTULACA in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.

Grow Marigolds Supreme and Mission Giant Goldsmith in your garden this summer. You will like the shades of yellow and gold together in bouquets.



# Gorgeous Poppies

## ICELAND POPPIES (Nudicaule) Perennial

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

- 1707 **THE EMPEROR.** 18 in. Deep tangerine, orange.....Pkt. 15c
- 1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink.....Pkt. 15c
- 1709 **YELLOW WONDER (Amurense).** An All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistant.....Pkt. 15c

## ORIENTAL POPPY Perennial

- 1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect.....Pkt. 15c

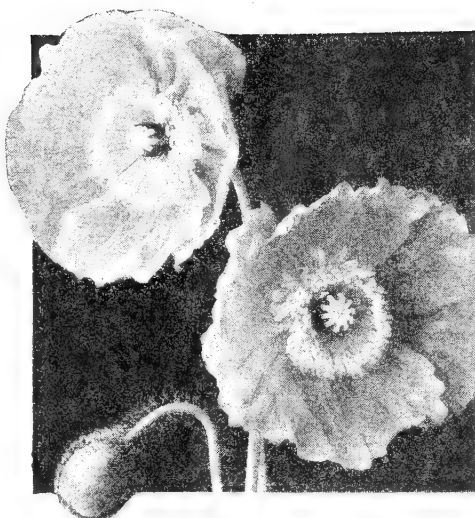
## Annual Poppies

- 1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems..... $\frac{1}{2}$  oz. 25c; pkt. 10c
- 1692 **GIANT SHIRLEY (Silk or Ghost).** 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut..... $\frac{1}{2}$  oz. 30c; pkt. 10c
- 1695 **DOUBLE SHIRLEY POPPY, "Sweet Briar,"** Deep rose-pink flowers, full and double. Resembles a large double Begonia.....Pkt. 10c



**SALPIGLOSSIS,**  
**Painted Tongue or Velvet Flower (Annual)**  
*Illustrated Above*

- 1741 Height 2-2 $\frac{1}{2}$  ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost..... $\frac{1}{2}$  oz. 50c; pkt. 10c



**ICELAND POPPY "EMPEROR."**  
Has silky-textured, fluted flowers of deep tangerine orange.

## New Rudbeckias

### Coneflower (Annual)

- 1715 **AUTUMN TINTS.** 2 ft. Flowers of this outstanding new strain measure 4 inches in diameter and have erect non-drooping petals. Autumn Tints is a mixture of attractive autumn shades.....Pkt. 15c

## Bright Salvias

### Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

- 1745 **SPLEDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety..... $\frac{1}{2}$  oz. \$1.25; pkt. 15c
- 1746 **FIREBRAND (Harbinger).** 15 in. A true dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. The symmetrical plants are completely covered with long sprays of large brilliant scarlet flowers.....Pkt. 25c
- 1747 **PARINACEA BLUE BEDDER.** 2-3 ft. Long spikes of showy deep blue flowers, splendid for garden display and cutting. Can be dried and used as an everlasting. Seed sown in May will bloom from July to frost.....Pkt. 25c

## SCARLET RUNNER BEAN

### (Annual Climber)

- 1760 Grows 12 to 15 ft. high, with brilliant scarlet flowers followed by green shell beans excellent for table use.....Lb. 45c;  $\frac{1}{2}$  lb. 25c; pkt. 10c

## SCHIZANTHUS, Butterfly Flower (Annual)

- 1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals.....Pkt. 10c

SHASTA DAISY, see page 50.

SNAPDRAGON, see Antirrhinum, page 48.

## Annuals Make Good "Fill-Ins" For Your Perennial Border

Many beautiful Perennials die down by Midsummer, leaving the garden dull and uninteresting. To fill these gaps and provide uninterrupted bloom, start seeds of quick-growing Annuals in a seed bed in early spring, and later transplant them among the Perennials. Best suited for this purpose are:

Asters (page 49). Calendulas (page 50).  
Marigolds (page 53). Zinnias (page 59).

# Giant Scabiosas

## Pin-cushion Flower (Annual)

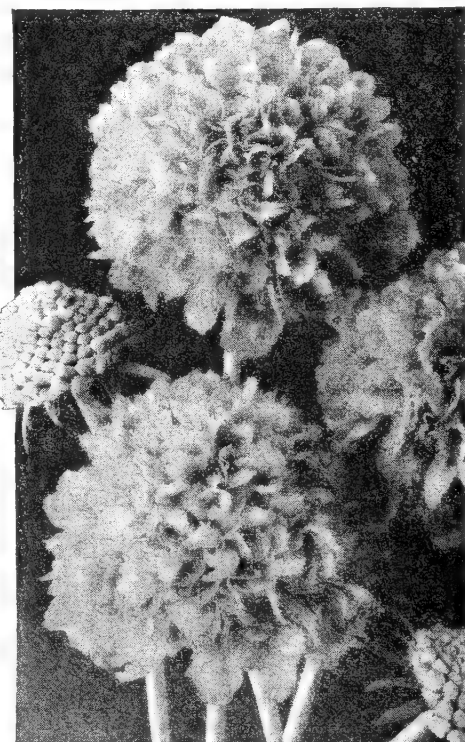
Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

- 1750 **ROSETTE.** Rose suffused salmon..Pkt. 15c
- 1751 **KING OF THE BLACKS.** Reddish-black.....Pkt. 10c
- 1752 **IMPERIAL GIANTS BLUE MOON.** A luscious shade of deep lavender blue. Extra large double flowers with broad, frilly petals.....Pkt. 15c
- 1753 **PEACE.** Semi-tall double white on eight-inch stems.....Pkt. 15c
- 1754 **BLUE COCKADE.** Deep blue....Pkt. 10c
- 1755 **FIERY SCARLET.**.....Pkt. 10c
- 1757 **GIANT HYBRIDS MIXED.**..... $\frac{1}{2}$  oz. 30c; pkt. 10c

## SCABIOSA CAUCASICA

### Blue Bonnet (Perennial)

- 1758 **GIANT HYBRIDS.** Height 18-24 in. Handsome hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting.....Pkt. 20c



Scabiosa Imperial Giants Blue Moon.

## Star of Texas

- 1765 **XANTHISMA TEXANUM.** 18 in. Large daisy-like flowers, of bright canary-yellow, with long narrow ray-like petals. The plants are bushy, erect and very free flowering. They thrive best in dry, open, sunny places. The seed should be sown early where plants are to stand...Pkt. 15c

## STATICE, Sea Lavender (Annual)

- 1769 **SINUATA.** 1-2 ft. Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried.....Pkt. 10c

*Rudbeckia "Autumn Tints" furnishes showy flowers for cutting, in all of the fiery colors of autumn.*

# Colorful Stocks

Giliflower (Annual)

Their deliciously-scented flowers are borne in branching spikes on velvety-leaved plants. The secret of growing good Stocks in the garden is to start the seed early indoors, prick the seedlings into tiny pots, and keep them growing rapidly until they can be set outdoors in the richest possible soil.

1772 DWARF TEN WEEKS. 12 in. Large-flowering, double, fine for bedding. Finest mixed colors.....Pkt. 10c

1777 GIANT IMPERIAL, 24 in. Double. Given sufficient room, the plants form magnificent bushes with long, thick flower. Finest mixed colors.....Pkt. 15c

## Stokesia Cornflower Aster (Perennial)

1780 CYANEA. 2 ft. One of the choicest flowers for the garden and indispensable for cutting. Plants are much branched and bear freely from July until frost, the handsome lavender-blue flowers which measure from 4 to 5 inches across. Of easy culture, succeeding in any open, sunny position.....Pkt. 10c

## Sunflower Helianthus (Annual)

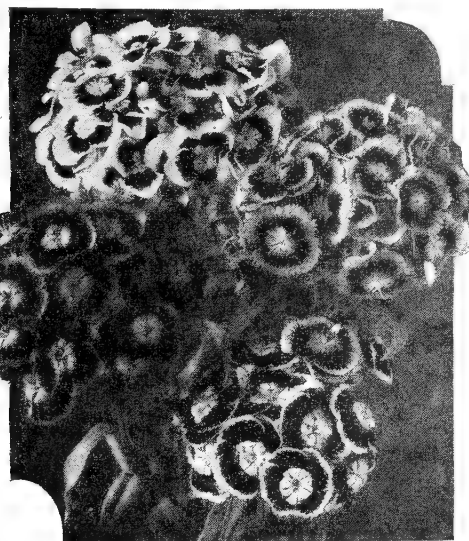
1830 MINIATURE SUNFLOWER. 3-4 ft. Produce flowers in many shades of rose, bronze and orange. Bloom all summer and are useful for cutting.....Pkt. 10c

1831 RED SUNFLOWER. 4-6 ft. Curled petals in various shades of red and orange. beautifully shaded and bordered..Pkt. 10c

1832 MAMMOTH RUSSIAN. 8-10 ft. Huge flat flower heads grown for the seeds which are fed to parrots, poultry and birds. Planted in the poultry yard the plants furnish shade, and when planted in the vegetable garden the stalks will serve as poles for climbing or pole beans. ....Large pkt. 5c

SWEET ALYSSUM, see Alyssum, page 48.

SWEET SULTANS, see Centaurea, page 50.



To have strong, thrifty plants and large flowers, sow seed of Sweet William every year.



Among the oldest and best-loved garden flowers are STOCKS or GILIFLOWERS.

# Sweet William

Dianthus Barbatus (Perennial)

One of our finest hardy garden plants, of easy culture and thriving in any good garden soil. Grow 12 to 18 inches high, with flowers in flat clusters on tall stiff stems.

1890 SINGLE LARGE FLOWERED MIXED.  
1891 DOUBLE LARGE FLOWERING MIXED.  
1892 PINK BEAUTY. Beautiful salmon-pink.  
1893 SCARLET BEAUTY. Brilliant scarlet.

Any of the above, pkt. 10c.

## The Flower Educator

Lovers of flowers will read with interest and pleasure Audel's Flower Educator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size  
Reference Index

\$1.50  
ppd.

For Perennial  
Pea (Lathyrus),  
see page 53.

# Sweet Peas

## Early Spring-Flowering Spencers

Best for the North and Middle West, as they come into bloom a month earlier than the late varieties, and continue to bloom for a much longer period. Our leaflet, "How To Grow Sweet Peas," is free for the asking.

1834 American Beauty. Rich crimson-rose.

1835 Amethyst. Royal purple.

1836 Ball's Rose Improved. Deep rose-pink.

1837 Cascade. Large pure white.

1839 Laddie Improved. Light rose-pink.

1841 Florist Rose. Pure carmine-rose.

1843 Fragrance. Clear lavender.

1845 Daphne. Soft salmon-pink.

1847 Mariner. Clear marine-blue.

1848 Mars. Deep crimson.

1850 Treasure Island. Sparkling orange.

1851 Oriental. Deep cream.

1852 Othello. Maroon.

1854 Red Cross. Dazzling scarlet-cerise.

Any of the above, pkt. 15c;  
2 pkts. for 25c.

## Summer-Flowering Spencers

1857 Ruffled Blue. Medium blue.

1858 Bonnie Ruffles. Cream-pink.

1859 Ruffled Crimson. Rich crimson.

1860 Ruffled Crinkles. Pink, suffused coral.

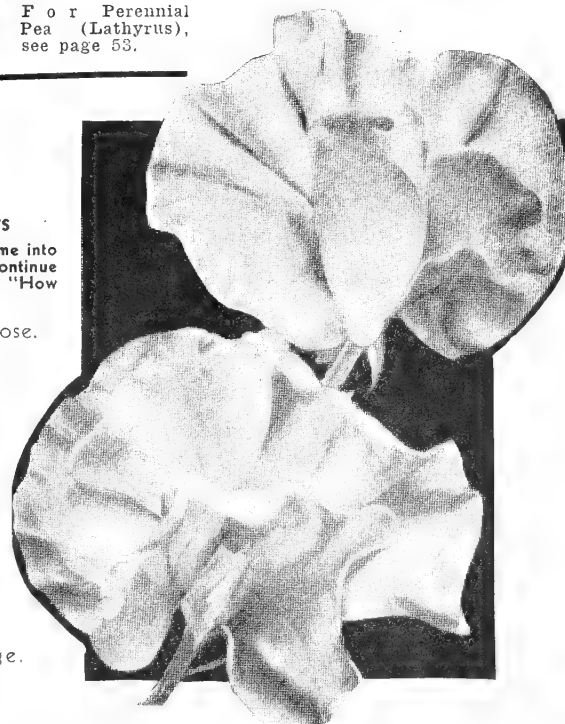
1861 Ruffled Purple. Rosy purple.

1862 Ruffled Rose. Pure rose.

1863 Royal Ruffles. Scarlet-cerise.

1864 Ruffled White. Pure White

Any Summer-Flowering Spencers,  
pkt. 10c.



## Special

## Ruffled Sweet Peas

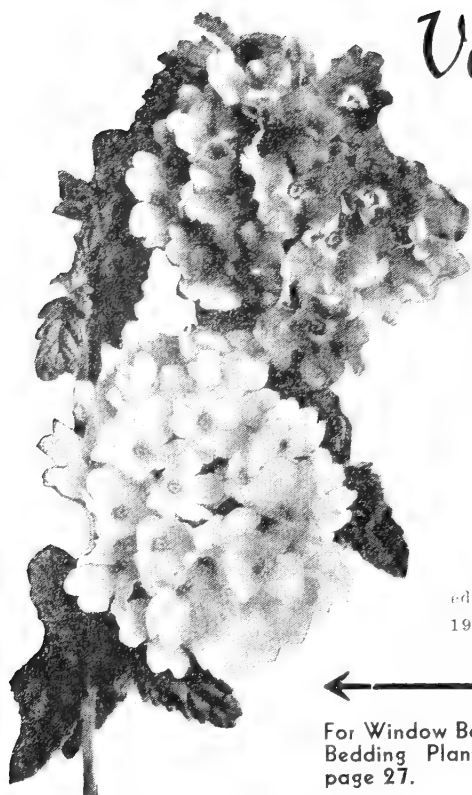
One Bonnie Ruffles. Cream-pink.  
Ruffled Blue. Medium blue.  
Pkt. Ruffled Crimson. Rich crimson.  
Royal Ruffles. Cerise.  
Each Ruffled Rose. Pure rose.  
Ruffled Purple. Rosy purple.

All 6 Pkts. 50c

1865 RAINBOW MIXED SPENCER. Giant Waved Spencer varieties in a complete color range. 1/4 lb. 60c; oz. 25c; pkt. 10c

1875 EARLY FLOWERING SPENCER MIXED. Come into bloom a month earlier than other sorts. Oz. 50c; pkt. 15c

A good combination of contrasting colors—Marigold, Burpee Gold with Scabiosa, King of the Blacks. (See pages 53 and 56.)



## Vivid Verbenas

### Giant Hybrid (Annual)—Height 1 ft.

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3½ inches across. Valuable for cutting.

- 1899 **FLORADALE BEAUTY.** Extremely large flowers. Shades from rose-pink to rose-red .....Pkt. 15c
- 1900 **BLUE AND PURPLE SHADES.** .....Pkt. 10c
- 1907 **CRIMSON GLOW.** A pure glowing crimson without an eye.....Pkt. 15c
- 1908 **GIANT HYBRID MIXED VERBENAS.** This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer.....½ oz. 40c; pkt. 10c

### Dwarf Compact Varieties—Height 7 in.

Compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

- 1910 **WHITE BALL.** 1911 **BLUE SENTINEL.**  
Each of the above, pkt. 20c.

For Window Box and Bedding Plants, see page 27.

### A Border of Annuals In Your Favorite Colors

Border No. 1 Pink, Blue & Yellow	Background—Zinnia, Oriole
	2nd. Row—Chinese Forget-Me-Not
	3rd. Row—Calendula, Glowing Gold
	4th. Row—Petunia, Radiance
4 Pkts. (1 of each) for 65c	
Border No. 2 Yellow & Blue	Background—Marigold Yellow Supreme
	2nd. Row—Scabiosa, Blue Moon
	3rd. Row—Marigold, Dble. Butterball
	4th. Row—Alyssum, Lilac Queen
4 Pkts. (1 of each) for 50c	
Border No. 3 Red & White	Background—Petunia, Mars
	2nd. Row—Alyssum, Snowcap
1 Pkt. Each for 35c	
Border No. 4 Red, Pink & Blue	Background—Zinnia, Dainty Gem
	2nd. Row—Anchusa, Blue Bird
	3rd. Row—Cockscomb, Flame of Fire
	4th. Row—Petunia, Topaz Queen
	5th. Row—Ageratum, Midget Blue
5 Pkts. (1 of each) for 80c	



Violas bloom from early spring to frost, if blossoms are kept picked.

### Red, White & Blue In Your Victory Garden

For the Trellis	Morning Glories	One Pkt. Each	{ Scarlett O'Hara Pearly Gates Heavenly Blue	40c
Along the Fence	Sweet Peas	One Pkt. Each	{ Red Cross Cascade Mariner	40c
Plant in Full Sun in the Garden	Larkspurs	One Pkt. Each	{ Dazzler White Spire Blue Spire	40c
	Scabiosas	One Pkt. Each	{ Fiery Scarlet Peace Blue Cockade	30c
	Centaureas	One Pkt. Each	{ Red Boy Blue Boy Snowman	25c
Border the Driveway	Verbenas	One Pkt. Each	{ Crimson Glow White Ball Blue Sentinel	50c
For the Window Box	One Pkt. Each	{ Petunia, Red Wonder Petunia, Cornflower Blue Alyssum, White Trailing	40c	
Edge the Perennial Border	One Pkt. Each	{ Petunia, Mars (8 inches) Candytuft (1 ft.) Centaurea, Jubilee Gem (1 ft.).	45c	



Cupid Zinnias for Table Bouquets.  
(See Page 59)

## Viola Cornuta

### Tufted Pansy (Perennial)

Closely related to pansies and violets. Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

1919 **FINEST MIXED.** Includes lavender, orange, purple, blue and yellow....Pkt. 15c

For Viola and Pansy Plants, see page 27.

### WALLFLOWER, Double (Annual)

1920 Height 12-15 in. Suitable for bedding or pot culture. The main spike is covered with double fragrant blossoms of brown and golden yellow. Seed started indoors in February produces flowering plants in July. Mixed colors.....Pkt. 15c

### WILD CUCUMBER (Annual Climber)

1925 **ECHINOCYSTIS LOBATA.** 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. ....Oz. 25c; pkt. 10c

### YUCCA, Adam's Needle (Perennial)

1929 **FILAMENTOSA.** 3-5 ft. Plants present a striking tropical appearance with their strong sword-like foliage and tall spikes of creamy white flowers. Bloom in July. Very effective in the border and rock garden.....Pkt. 10c

## The Children's Garden

Give them a sunny corner of the garden for their own. Put a row of bricks or stones around it to make a neat dividing outline. Then let them plan it, plant it and care for it themselves.

### 8 Easy-To-Grow Annuals

Canary Bird Vine Cockscomb (Cristata)  
Cosmos Love-in-a-Mist (Nigella)  
Four O'Clocks Red Riding Hood Zinnia  
Strawflowers Nasturtiums

No. 1930 — Children's Garden Collection—8 Packets (one each of above 8 Annuals) for 70c



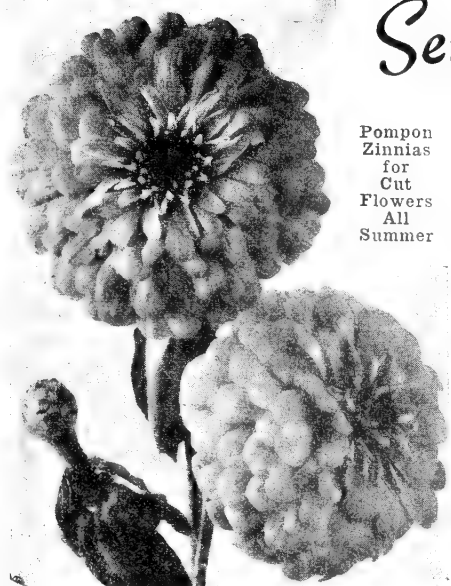
### Mexicana or Miniature Zinnias (HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

1979 **MIXED COLORES.** Flowers are double and semi-double. 1½ inches across, and come in a most unusual color range—rose-tipped yellow, maroon-tipped cream, yellow-tipped red. Plants grow 10-15 inches high.....½ oz. 50c; pkt. 15c



# Sensational Zinnias for Your Garden



Pompon  
Zinnias  
for  
Cut  
Flowers  
All  
Summer

## Giant Double Dahlia Flowered Zinnias

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated resembling the show type of Dahlia. Flower in 60 days.

- 1931 WILL ROGERS. Brilliant scarlet.
- 1932 GOLDEN DAWN. Golden yellow.
- 1933 ILLUMINATION. Deep rose.
- 1934 CRIMSON MONARCH. Rich crimson.
- 1935 ORIOLE. Orange and gold bi-color.
- 1936 ROYAL PURPLE. Deep rich purple.
- 1938 ELDORADO. Salmon-apricot.

Any of above, pkt. 15c.

4 packets (your choice) for 50c.

- 1940 GIANT DAHLIA FLOWERED MIXED. .... ¼ oz. 60c, pkt. 15c

## The Aristocrats of the Zinnia Family

- 1950 SUPER CROWN O'GOLD PASTEL TINTS. Similar in type to the Giant Dahlia Flowered Zinnias but different in coloring. The flowers are large, double and well-formed, each petal overlaid with a deep golden-yellow at the base, while carrying out the individual flower color at the tip. Pastel Tints include shades of yellow, old gold, pink, peach and salmon... Pkt. 20c



Zinnia Dahlia Flowered Will Rogers is bright scarlet

## California Giant Zinnias

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

- 1960 GRENADIER. Extra fine dark red.
- 1961 MISS WILLMOTT. Soft, rich pink.
- 1962 LAVENDER GEM. Clear lavender.
- 1963 ROSE QUEEN. Rose with deep rose-center.
- 1964 LEMON QUEEN. Petals canary yellow on upper and cerise on lower side. Fragrant.

Any of above, pkt. 15c.

- 1965 CALIFORNIA GIANT MIXED. ¼ oz. 60c, pkt. 15c

## A Cactus Petaled Zinnia

- 1970 FANTASY. 2½-3 ft. The strikingly attractive, shaggy-petaled flowers resemble cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream. Picking the blooms freely will cause the plants to branch and produce more flowers... See Illustration Below. .... Pkt. 15c

## Dwarf Zinnias

### Pompon or Baby Zinnias

(Lilliput.) Height 1½ ft.

The plants form handsome little bushes, literally covered with tiny, very double flowers. They bloom all summer. Excellent for borders, bedding and cut flowers.

- 1972 DAINTY GEM. This new bi-colored Zinnia has center petals of bright rose-pink, and lower petals of flesh-pink. A "gem" for cutting. Blooms without letup until frost. .... Pkt. 15c
- 1973 BLACK RUBY. Rich, deep maroon.
- 1974 VALENCIA. A deep burnt orange.
- 1975 FINEST MIXED COLORS.

Any of the above (except Dainty Gem) Pkt. 10c.

### A Favorite for Borders

- 1976 RED RIDING HOOD. 15 in. Compact, bushy little plants, bristling with miniature double flowers of deep scarlet. An effective border plant and one of the most popular Zinnias for cutting. .... ½ oz. 30c, pkt. 10c

### Zinnia Linearis ➔

#### A Recent Introduction

- 1971 LINEARIS. 10 in. The flowers are 1¼ inches in diameter, with a single row of petals. Flowers open golden orange with each petal striped light green and changing to yellow as the flower develops. Early flowering, and if allowed plenty of space, plants spread over 2 square feet without growing taller than 10 inches. .... Pkt. 15c



Zinnia  
Linearis  
is Ideal  
for  
Edging

### Cupid Zinnias—1 ft.

- 1985 CUPID MIXED. Small button-like flowers on rounded plants of bushy habit. Ideal for cutting and for use in miniature vases. Colors include bright scarlet, yellow and white. .... Pkt. 15c

### Tom Thumb Zinnias

Grow Only Six Inches Tall!

- 1987 Tiny double flowers cover the compact plants all summer. Colors are red, orange, pink, yellow, white and pastel shades. For a low border, for potting or to use in low bowl arrangements, this little Zinnia is ideal. .... Pkt. 15c

## Zinnia Specials

### Giant Harmony Collection

One Pkt. Each	Super Crown O'Gold Lavender Gem Miss Willmott Will Rogers	50c
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### Border Collection

One Pkt. Each	Pompon Finest Mixed Cupid Mixed Linearis Tom Thumb Mixed	45c
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For  
Zinnia  
Plants  
See  
Page 27

Zinnia  
Fantasy  
Has ➔  
Ray-like  
Petals



The Blossoms of Canary Bird Vine resemble a Golden Bird in Flight. This Vine is included in our Children's Garden Collection on Page 58.

# Permanent PASTURE & Meadow Mixtures

Recommended By Minn. Experiment Station

And How to Sow Them

## PASTURE—A Leading War Time Money Maker

1. PASTURE supplies the best feed at lowest cost, with the least labor.
2. PASTURE produces milk and meat at lowest cost as animals gather their own feed and take advantage of sunshine and open air.
3. PASTURE yields greater net returns than other field crops, yet there's less risk from hail, lodging, plant diseases, etc.
4. PASTURE mixtures of legumes and grasses yield better than either seeded alone. They produce better stands and better variety of forage.
5. Uncle Sam offers to pay for nearly 75% of the seed you use in reseeding depleted pastures. Any of the Master Mixtures described on this page (except Annual Hog Pasture) can earn AAA payments of 25c per pound of seed sown. See your County Committee!

### SETTING the GRAIN DRILL

for Mixtures Containing

BROME GRASS—CRESTED WHEAT GRASS—MEADOW FESCUE

Master Mixture C: Setting drill at 3 in pecks of wheat, sows 18 lbs. per acre. Setting drill at 4 (pecks wheat), sows 26 lbs. per acre.

Master Mixtures D and E: Setting drill at 3 (pecks wheat), sows 15 lbs. per acre. Setting drill at 4, sows 22 lbs. per acre.

## Master Mixture A

All Season Mixture for Heavy Soils

A profitable long rotation mixture suited for hay first year or two, then for pasture. After second year Bluegrass and White Clover predominate. Well adapted to heavy, productive soils. Does well in Southeastern, East Central, and Northeastern sections of Minnesota and similar regions. Sow 12 to 18 lbs. per acre.

Approximate contents:

Timothy .....12% Alsike Clover...14%  
Ky. Bluegrass...7% White Clover....7%  
Med. Red Clover...29%

See Blue Figure Price List.

## Master Mixture B

All Season Mixture for Light Soils

A long rotation mixture adapted to sandy productive soils, not deficient in lime. Brome, Bluegrass and White Clover predominate after 2nd or 3rd year. Does well in Central, Northeastern and East Central sections of Minnesota and similar regions. Sow 16 to 18 lbs. per acre.

Approximate contents:

Timothy .....12% Med. Red Clover...25%  
Brome Grass...38% Alsike Clover...13%  
Ky. Bluegrass...6% White Clover....6%

See Blue Figure Price List.

## Master Mixture C

Brome—Alfalfa—etc. Mixture

A long rotation mixture in which Brome Grass and Alfalfa will predominate after first year. Very close grazing should be avoided so as not to kill Alfalfa. Adapted to Southwestern, West Central and South Central sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass...35% Alfalfa .....29%  
Timothy .....12% Sweet Clover...24%

See Blue Figure Price List.

## Master Mixture D

Brome—Crested Wheat—etc.

An ideal long rotation mixture on lighter, sandier soils. Does well under drought conditions or where there's low rainfall. Brome, Crested Wheat and Alfalfa predominate after first year. Adapted to Southwestern, West Central and Northwestern sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass...32% Alfalfa .....26%  
Crested Wheat Sweet Clover...21%  
Grass .....21%

See Blue Figure Price List.

## Master Mixture E

Brome—Meadow Fescue—etc.

A very fine long rotation combination that may be used for hay for one or two years and then pastured. Especially adapted to the Red River Valley and Northwestern sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass...26% Alfalfa .....27%  
Meadow Fescue...26% Sweet Clover...21%

See Blue Figure Price List.

## Master Mixture F

Short Rotation Mixture

A good, inexpensive, short rotation mixture that is well suited for hay or pasture. Does well in Northeastern, East Central and Southeastern sections of Minnesota and similar regions. Sow 12 to 15 lbs. per acre.

Approximate contents:

Timothy .....57% Alsike Clover...14%  
Med. Red Clover...29%

See Blue Figure Price List.

## Master Mixture G

Short Rotation Lime Soil Mixture

A good economical, short rotation mixture for soils abundant in lime—where Red Clover does not thrive. The Timothy adds variety and palatability. Does well in South Western and Central sections of Minnesota and similar regions. Sow 16 to 18 pounds per acre.

Approximate contents:

Sweet Clover...67% Timothy .....33%

See Blue Figure Price List.

## Master Mixture H

Annual Hog Pasture

A most profitable combination to produce pork rapidly and at lowest cost. Since the pigs do the harvesting, it is more economical than corn or grain. Little corn is then needed to finish them off. One acre enough for 20 spring pigs or 20 older hogs. Well adapted to all regions. Sow 60 to 75 lbs. per acre.

Approximate contents:

Barley .....20% Sweet Clover...5%  
Oats .....38% Vetch .....5%  
Spring Wheat...5% Podder Cane...5%  
Soy Beans.....5% Sudan Grass...7%  
Rape .....10%

See Blue Figure Price List.

## Timothy Alsike Mixture

Permanent, Productive, Profitable

A popular, inexpensive, short rotation mixture that performs well on either low acid soils, or on sandy soils. This mixture produces better than either crop seeded alone. Well adapted in most all sections. Sow 12 lbs. per acre.

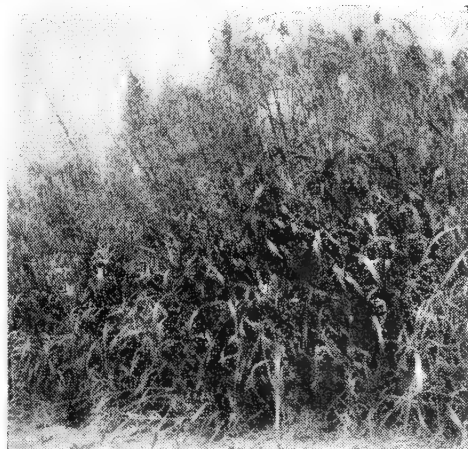
Offered in two grades:

Rich grade contains Standard grade contains  
30-35% Alsike. 20-25% Alsike.

See Blue Figure Price List.

MIXTURE or SINGLE CROP	May	June	July	Aug.	Sept.	Oct.
Permanent Pasture: Ky. Bluegrass, White Clover						
Master Mixture A All Season Mixture for heavy soils						
Master Mixture B All Season Mixture for light soils						
Mix. C (Brome, Alfalfa etc.) " D (Brome, Crested Wheat etc.) " E (Brome, Meadow Fescue etc.)						
Master Mixture F Short Rotation Mix.						
Master Mixture G Short Rotation Mix. for soils with lime						
Reed Canary Grass on low land						
Winter Rye						
Oats or other small grain						
Sudan Grass						
Second-growth Alfalfa						
Master Mixture H Annual Hog Pasture						
Master Timothy & Alsike Mix. (20-25% Alsike) (30-35% Alsike)						

# HARDY GRASSES and How to Sow Them



Brome Grass brings you 25c per lb. of seed sown, in AAA payments (see below). Makes a good hay crop or pasture. Valuable on hillsides, ditches or banks to prevent soil washing.

## Brome Grass *Bromus Inermis*

Becoming important as a hardy hay and pasture grass and in combination with other grasses. Also called Smooth Brome Grass.

This vigorous, hardy perennial with strong, creeping roots, makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. Valuable on hillsides and terraces to keep soil from washing away. It starts early, two or three weeks before other grasses, remains green until November, and stands close cropping.

It grows three to four feet high, yielding two to four tons of palatable hay per acre. Cut for hay when in full bloom. Also a profitable seed crop.

Seeding with a grain drill is best as seed should be covered. Sow 18 to 20 lbs. per acre in rows six inches apart and  $\frac{1}{2}$  to 1 inch deep. To sow 18 lbs. per acre, set drill at "12" (in pecks of wheat), and for 20 lbs., at "12 $\frac{1}{2}$ ." Extra help is needed to keep seed moving freely through the drill. Price: 5 lbs. \$1.75, postpaid. For larger quantities see Blue Figure Price List.

## Crested Wheat Grass

The Ideal Dry Land Pasture Grass

This hardy drought-resistant perennial bunch grass has a longer productive period than Slender Wheat Grass or Bromus Inermis. Minnesota Experiment Station trials proved Crested Wheat and Brome the two most drought-resistant grasses, and Alfalfa the most drought-resistant legume.

Its extensive root system permits an early and rapid growth. It becomes dormant during extremely hot, dry periods, but resumes growth in early fall, continuing very late. It grows at low temperatures and utilizes the soil moisture to check other grasses and weeds where moisture is limited. In semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best although it thrives anywhere. After hard use as sheep pasture, it comes right up again. Crested Wheat Grass produces 400 lbs. of seed per acre under dry conditions on two-year-old fields. Seed is in good demand.

### It's Easy to Seed Crested Wheat

Seeding with a grain drill is best as seed should be covered. Sow 10 to 12 lbs. per acre in rows six inches apart, and  $\frac{1}{2}$  to  $\frac{3}{4}$  inch deep. To sow 10 lbs. per acre, set drill at "2" (in pecks of wheat), and for 12 lbs., set at "2 $\frac{1}{4}$ ." Well cleaned, heavy seed such as we offer, moves freely through the drill.

### Fairway Strain of Crested Wheat

The University of Saskatchewan developed this shorter, more leafy strain which spreads from underground stems forming a good turf free from tufts. Survives extreme drought, hard use, and close clipping. Thus it's ideal for pasture, golf course fairways, farm and even city lawns subjected to long dry spells without artificial watering facilities. For lawn sow 1 lb. seed per square rod. Price: 5 lbs. \$1.75, postpaid. See Blue Figure Price List.

## REED CANARY

(*Phalaris*)

This Peat and Swamp Land Wonder Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It does well in boggy soils, swamps and marshes.

### Four to Six Tons of Hay Per Acre

The hay (of high feeding value) is relished by all livestock. One acre will pasture three to four dairy cows from early spring until fall. Close grazing is best, except in fall. For hay, cut when heads first appear. Then feeding value is highest.

This hardy perennial grass will thrive until broken up, and can be easily controlled by plowing. Seedlings and plants are cold resistant. Heads appear early in June and ripen four weeks later. Plants grow four to six feet high with broad, light green leaves. Underground stems rapidly form a tough sod that holds up hay-making machinery.

### How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

It does well with companion crops like Flax, small grains, Timothy or Bromus which check weeds and shade the slower growing Reed Canary Seedlings until fully established. When past the seedling stage, it grows rapidly, crowding out other grasses and weeds.

### Rate of Seeding

Sow any of these companion crops with Reed Canary Grass: Flax, 35 to 42 lbs. per acre; small grains, one-half the regular seeding; Timothy or Bromus, broadcast 4 to 5 lbs. per acre, all sown with the regular seeding of Reed Canary, as follows: Broadcast,



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

5 to 6 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a packer on peat after seeding.

Sow early in spring so seedlings become established before weeds start. On weedy land, seed late in June or early July, disking up to this time, to kill weeds. If difficult to get on land in spring, seed in August or October. Price: See Blue Figure List. 5 lbs., \$2.40, postpaid.

## Kentucky Blue Grass

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. Blue Grass is the best of all grasses for lawns. Price: 5 lbs. \$2.40, postpaid. See Blue Figure Price List.

## Meadow Fescue

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: 5 lbs. \$2.50, postpaid. See Blue Figure Price List.

## Timothy

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1 $\frac{1}{2}$  to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. See Blue Figure Price List.

## Red Top

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. Grows best with other grasses and clover. Price: 5 lbs. \$1.75, postpaid.

For larger quantities see Blue Figure Price List.

## Domestic Rye Grass

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moist moderately rich soil. Sow 20 to 30 pounds per acre. Price: 5 lbs. \$1.40, postpaid. For larger quantities see Blue Figure Price List.

## Uncle Sam Will Pay Nearly 75% of Your Seed Bill!

For seeding depleted pasture lands (designated as non-crop open pasture), with grasses on this page and legumes on pages 62, 63, 64, Minnesota farmers can earn AAA payments as follows:

BROME GRASS.....	Earns
CRESTED WHEAT GRASS.....	AAA Payment
REED CANARY GRASS.....	of 25c per pound
KENTUCKY BLUE GRASS.....	of Seed Sown
MEADOW FESCUE.....	
ALFALFA.....	Earns
RED CLOVER.....	AAA Payment
ALSIKE CLOVER.....	of 25c per pound
	of Seed Sown
TIMOTHY.....	Earns
RED TOP.....	AAA Payment
SWEET CLOVER.....	of 10c per pound
	of Seed Sown



# HARDY NORTHERN GROWN ALFALFA SEED



LOOK FOR THIS TAG  
ON EVERY BAG—IT'S  
YOUR PROTECTION

We emphasize the importance of knowing where your Alfalfa and other Grass Seeds were grown. Cheaper, unadapted seeds should be avoided because they are more expensive in the long run, and not sufficiently hardy to withstand our northern winters.

Alfalfa Seed obtained from growers or shippers should be identified by the verified origin tags—this is your protection against mixtures, blends and unadapted seed.

As Verified Origin Seedsmen, any Alfalfas that we send you will be sealed and tagged, either with U. S. Verified Origin Certificates, or with certificate seal from the state in which it is grown.

## GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan sub-soil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dry-land areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. See Blue Figure Price List.

## Common Alfalfa DAKOTA NO. 12

The old dependable strain  
Minnesota-Dakota-Montana grown.

This is the most commonly grown variety in Minn., Dakota and Montana. It has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers, severe winters and dry, high altitudes are thoroughly hardy. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the Mid-west and East. See Blue Figure Price List.



## Alfalfa & Clover Seed Crops Shortest in Years!

According to government reports, seed crops of northern grown Alfalfa, Red, Alsike and Sweet Clovers, are the shortest in many years. Some of the reasons: (1) unfavorable weather conditions for legume seed crops, (2) tendency to reduce seed production when hay is in big demand, (3) tendency to divert hay acreage in general—to other vital war crops.

### Tremendous Demand Expected

#### AS WAR DEPT. RESTRICTS NITROGEN

Huge quantities of commercial nitrogen formerly used for farm fertilizers are now needed for war-time explosives. For the "Duration" the farmer must grow legumes to obtain the needed nitrogen. Thus he will get nitrogen free from the air, instead of buying it in bags from fertilizer manufacturers. However, this places tremendous demands on short seed supplies which will be further strained by huge quantities to be shipped to our allies under "Lend-Lease." Large quantities also needed for new airports and training fields. We urge farmers to buy Alfalfa and Clover Seed early! Prices are higher for reasons above—BUT—See our Blue Figure Price List and compare with World War I prices below:

WORLD WAR I PRICES ON LEGUME SEEDS	
(Nov. 1, 1919)	
100 lbs.	
ALSIKE CLOVER.....	\$50.00
MEDIUM RED CLOVER.....	52.00
WHITE SWEET CLOVER.....	32.00
YELLOW SWEET CLOVER.....	30.00
GRIMM ALFALFA.....	70.00
COSSACK ALFALFA.....	90.00
DAKOTA NO. 12 ALFALFA.....	50.00

Compare Today's War-time Prices.

## VARIEGATED ALFALFA From Old Time Unregistered Northern Fields

Equal to Registered strains for hardiness and hay production, and offered at a great saving in price.

Variegated Alfalfa is of a well known type with blossoms having a color range of white, yellow and purple. It is highly recommended but no definite records have been kept, and the fields therefore cannot qualify for registration. It has shown itself to be completely hardy in the most severe climates of Minnesota, Dakotas and Montana, and can be recommended as being very desirable for seeding in any part of the northern United States, where winter hardiness is essential. See Blue Figure Price List.

## COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy.

In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. See Blue Figure Price List.

## LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack. Seed supply very limited.

See Blue Figure Price List. Write for special free circular on Ladak Alfalfa.



# AAA Payments for 1944!

War still dominates the farm outlook for 1944. All farm production must help win victory, yet your basic resource, the soil, must be safeguarded. The County Committee, (with approval of State Committee), designates those practices which will be approved for payment in the county, so that the soil-building allowance will be used most effectively to bring about increased production, and the soil-building practices most needed. The following payments apply to Minnesota farms. Similar opportunities offered farmers in other states. See your County Committee or County Agent for details.



## You, too, can earn this extra cash:

- (1) For seeding depleted pasture lands (designated as non-crop open pasture) with seedlings consisting solely of, or a mixture of these crops:

**TIMOTHY RED TOP SWEET CLOVER**

The Government Pays You 10c Per Pound of Seed Sown!

- (2) For seeding same type of land with seedlings of these grasses described on page 61:

**BROME GRASS KENTUCKY BLUE GRASS  
CRESTED WHEAT GRASS MEADOW FESCUE  
REED CANARY GRASS**

Or these legumes:

**ALFALFA RED CLOVER ALSIKE CLOVER**

Or these pasture mixtures described on page 61:

**TIMOTHY & ALSIKE MIXTURE**

**MASTER MIXTURES A, B, C, D, E, & F.**

(All described on page 60.)

The Government Pays You 25c Per Pound of Seed Sown!

- (3) For disking and plowing under a good stand and a good growth of these green manure crops:

**SWEET CLOVER ALSIKE CLOVER RED CLOVER**

(which were seeded in 1943)

or **BUCKWHEAT**

The Government Pays You \$1.50 Per Acre!

- (4) For harvesting for seed, an acreage, (limit 25 acres per farm) of:

**ALFALFA SWEET CLOVER  
RED CLOVER REED CANARY GRASS  
ALSIKE CLOVER BROME GRASS  
WHITE CLOVER CRESTED WHEAT GRASS**

The Government Pays You \$3.50 Per Acre!

In many cases these generous AAA Payments will cover 75% or more of your seed cost or a large part of combine harvesting cost. (See Blue Figure Price List in front of catalog.)

## MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers

can be depended on for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Some kind of Clovers may be grown in practically every part of the United States. They have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

### MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. See Blue Figure Price List.

### MAMMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse.

See Blue Figure Price List for Quotations on All Farm Seeds.

### WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: 1/2 lb. 50c, lb. 90c, 5 lbs. \$4.25, prepaid. See Blue Figure Price List.

Clovers are an important factor in soil renovation through maintaining or increasing in the soil the supply of vegetable matter and the supply of nitrogen.

Clovers have a heavier root system that leaves vegetable matter and fertility in the soil when it dies or when plowed under. Clover should be cut for hay as soon as the first blossoms begin to turn brown. This will result in the greatest yield of palatable hay.

### ALSIKE CLOVER

Alsike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes fine pasture, as it is extremely hardy.

The seed of Alsike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. See Blue Figure Price List.

It Pays Big Dividends to

Inoculate All Clover Seed

with Nitragin (See Page 64)



Your Money Can Buy No Finer Seed Than Master Farmer Red Clover.

**Cyclone Hand Seeder only**

**\$2.75**

POSTPAID



This simple, light, strong, hand seeder sows timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even, in any quantity, from one quart to three bushels per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.55, not prepaid.

Don't Experiment with Cheap Seeds of Inferior Quality—Buy "Master Farmer" Seed. Page 63

**Enrich Your Land  
Make Cheap Hay**

# Plant Sweet Clover

**Get AAA  
Payments**  
(See Page 63)



## White Blossom

Tall Biennial Sweet Clover.

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa.

The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem from which the side branches grow, while in alfalfa the crown sends up numerous shoots.

Our seed is of fine quality, free from fowl weed seeds, and of highest germination. See Blue Figure Price List.

## Yellow Blossom

Dwarf Biennial Sweet Clover.

This variety grows shorter and is finer and more spreading than the white. It makes a very fine quality hay and pasture. Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is an advantage in sowing this strain.

It can be cut for hay very early, and close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness. See Blue Figure Price List.

## Grundy County

Dwarf Biennial Sweet Clover.

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common White Blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes.

It matures earlier so that the hay crop can be cut before the small grain is harvested.

It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable.

Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. See Blue Figure Price List.

## Hubam

Annual Sweet Clover.

Hubam is an emergency pasture and hay crop to be sown in seasons where drought, freezing injury or other adverse conditions have wiped out pastures and meadows, leaving the farmers without any definite hay prospects. Hubam is a rapid grower and once it is well established can be pastured as you would pasture the biennial varieties of Sweet Clover.

Hubam is an Annual Sweet Clover. It is best suited for the Corn Belt section. It grows from 3 to 7 ft. high. It will produce as much as 3 tons of hay per acre, cut just before blossoming time. It grows on any good non-acid soil, and should be sown alone the same rate as other sweet clovers. Hubam will produce a seed crop in this latitude, in favorable growing seasons. See Blue Figure Price List.

Free Sweet Clover Booklet with your order on request.

Legume crops such as Sweet Clover will be in greater demand than ever before because of increased plantings for the maintenance of fertility under the U. S. Soil Conservation Program. Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.

### Sweet Clover as a Hay or Pasture Crop

Sweet Clover is a leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

### As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitragin.

## "ALL-OUT" PRODUCTION GOALS FOR 1944

Although, farm production set a new record in 1943, the goal for 1944 is a greater record breaker—topping last year's production 4% to 5%.

It is claimed this increase is needed to meet war time requirements for foods, fats and fibre. It means 16 million more acres than in 1943 must be put to work.

War agencies are mobilizing to provide adequate labor, machinery, fertilizers and other necessary farm supplies.

The greatest increases are sought in crops used for direct human consumption, (rather than for feeding)—and in oil and fibre crops to replace those which cannot be imported. Farmers are being asked to increase production of milk, eggs, and marketing of meat animals. Breeding herds and numbers of young stock are to be reduced because of the depleted carry-over of heavy grain and the smaller feed-crop production.

1944 ACREAGE GOALS as a Percentage of the 1943 Levels are:

Wheat	124%
Corn	104%
Oats	98%
Barley	97%
Sorghum	97%
Rye	84%
Hay—tame	104%
Sugar Beets	150%
Sugar Cane	105%
Dry Beans	109%
Dry Peas	121%
Soy Beans	119%
Flax Seed	94%
Flax for Fibre	167%
Irish Potatoes	114%
Fresh Vegetables	111%

An increase in Victory Gardens from 20,000,000 in 1943 to 22,000,000 in 1944 is sought.

### THE AGRICULTURAL OUTLOOK

Farm cash income is forging far ahead of any previous record. October cash receipts were 14% more than the former monthly peak established a year earlier. For the 1943 calendar year, the farmers' cash proceeds will come close to the \$20,000,000,000 mark, compared with \$16,177,000,000 in 1942 and the 1919 record year of \$14,602,000,000. A slightly higher income for 1944 is forecast by the U. S. Dept. of Agriculture. Before the year is over, war developments may check the upward surge of farm income, although relief buying and resumption of employment in civilian goods industries are expected to bolster the demand for farm products for some time after the war in Europe ceases.

APPROX. 70,000,000 LBS. OF AIR-NITROGEN  
ABOVE EVERY ACRE. THIS IS AVAILABLE  
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU  
**CONVERT LEGUME SEEDS  
INTO FERTILIZER PLANTS**

Inoculating by with  
**NITRAGIN**  
SINCE 1898

ALFALFA  
RED CLOVER  
SWT. CLOVER  
COWPEAS  
PEAS  
VETCH  
A. W. PEAS  
SOYBEANS  
LESPEDEZA  
PEANUTS  
BEANS  
ALL LEGUMES

### BUILD UP YOUR SOIL Inoculate Your Legumes With NITRAGIN

Inoculate your Legume seeds even though planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

### 1944 NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

**ALFALFA**  
Sweet, Bur, Hubam Clovers  
Size Retail  
1 bu. ea. ....\$ .50  
2½ bu. ea. .... 1.00

**CLOVERS**  
Medium & Mammoth  
Red, Alsike, Crimson &  
White Clovers  
1 bu. ea. ....\$ .50  
2½ bu. ea. .... 1.00

**PEAS (All Varieties)**  
**VETCHES (All Varieties)**  
100 lb. size (Inoculates up  
to 100 lbs.) ea. ....\$ .50  
1200 lb. size ea. .... 5.70  
(12-100 lb. size cans)

**BEANS—Navy, Pinto,  
String, Wax, Kidney**  
1 bu. ea. ....\$ .35

**LESPEDEZA Hulled or Unhulled**  
100 lb. size (Inoculates up  
to 100 lbs. seed) ....\$ .50

**PEANUTS, LIMA BEANS,  
COW PEAS**  
Size Retail  
Small (Inoculates up to  
120 lbs. seed) .....\$ .30  
5 bu. ea. .... .55  
25 bu. (one can) ea. 2.50  
30 bu. (one ctn.) ea. 3.25  
(Contains 6-5 bu. cans)

**SOYBEANS (All Varieties)**  
Small (Inoculates up to  
120 lbs. seed) .....\$ .30  
5 bu. ea. .... .55  
25 bu. (one can) ea. 2.50  
30 bu. (one ctn.) ea. 3.25  
(Contains 6-5 bu. cans)

**LUPINES (All Varieties)**  
100 lb. size (Inoculates up  
to 100 lbs. seed) ea. \$ .50

**GARDEN SIZE**  
Garden Peas and Beans  
Sweet Peas and Lupines  
Enough for 8 lbs. seed  
Retail Price 10c each.

**NITRAGIN—Oldest and Most Widely Used Inoculator in America**



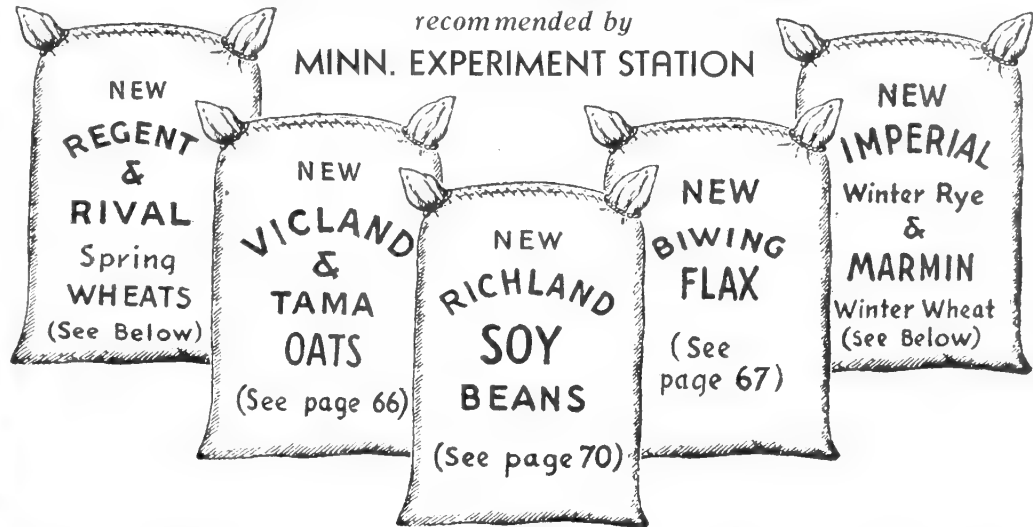


# ARE YOU GETTING THE YIELDS YOU WANT?

—Read about these Improved Varieties

recommended by

MINN. EXPERIMENT STATION



## Spring Wheat for the Northwest

### NEW REGENT WHEAT

Regent is a beardless, early maturing, high-yielding variety having very strong straw. It is the result of a H44 x Reward cross made at the Dominion Rust Laboratory at Winnipeg, Canada. It is resistant to stem and leaf rust and to bunt, moderately resistant to loose smut, but is susceptible to scab.

Regent has a higher test weight than Thatcher and appears about equal to it in milling and baking quality. Recommended for growing on heavy soils in western and northwestern Minnesota, and similar territories. Registered by American Society of Agronomy. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

### NEW RIVAL WHEAT

Rival is the result of a Ceres x (Hope-Flor-ence) cross made at the North Dakota Station. It's a bearded, mid-season, high-yielding, hard, red spring wheat. Plant is mid-tall and kernels are quite large. It is moderately resistant to stem and leaf rust. It is resistant to bunt and loose smut, moderately susceptible to scab, and susceptible to black chaff. Rival has a higher bushel weight than Thatcher and appears equal in milling and baking quality.

Rival is recommended for southern Minnesota largely because it is less susceptible to scab than other varieties. Approved for registration by American Society of Agronomy. Recommended by Northwest and Minnesota Crop Improvement Associations, and Minnesota Experiment Station. See Blue Figure Price List.

## Best Winter Wheat

### New MARMIN Winter WHEAT

A bearded winter wheat similar to Minturki in yielding ability, winter hardiness, disease resistance and time of maturity. It has higher bushel weight, harder texture, and produces whiter flour than Minturki. Because of this better milling quality and higher bushel weight, Marmin will probably grade higher on the market. A Minturki and Marquis cross. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

### MINTURKI WINTER WHEAT

A bearded, white chaffed, stiff strawed variety of the Turkey type. It is early-maturing, yields well, is somewhat resistant to stem rust, and moderately resistant to bunt, loose smut, and fusarial head blight, but is moderately susceptible to leaf rust. It is a very hardy winter variety. A cross of Turkey and Odessa. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

## The Best in Barley

### Wisconsin Barbless (Wis. 38)

A smooth awned, high-yielding variety of barley with white aleurone, and is of acceptable malting quality. It is resistant to spot blotch, moderately resistant to barley stripe, but is susceptible to scab and loose smut. It has yielded more than any other variety in tests conducted in Minnesota during the last 11 years. It was produced by the Wisconsin Station from a cross of Lion and Oderbrucker. It is on the recommended list of the Minnesota Experiment Station and the Minnesota Crop Improvement Association. Approved by the American Society of Agronomy. See Blue Figure Price List.

## Winter Rye

### New Imperial Wisconsin No. 6

This new hardy, high yielding Winter Rye was developed by selection at the Wisconsin Experiment Station, (Wis. Ped. No. 6). It differs from the older pedigree strains in being pure for colorless seed and is often called "white rye." The five-year average yield for this excellent variety at the Waseca Experiment Station is 47 bu. per acre—a most outstanding record of performance. It is well adapted for all regions of Minnesota and the Northwest and has been so superior in performance that it has been placed on the recommended list by the Minnesota Experiment Station. See Blue Figure Price List.

## Speltz or Emmer

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry. Sow 1½-2 bushels per acre, adjusting the drill the same as for oats. See Blue Figure Price List.

## Treat Seed Grains to Prevent Smut



All seed grains including wheat, barley, oats, rye and flax are susceptible to smuts of various kinds which reduce the yields from 10% to 50% in many instances. Some varieties are attacked more vigorously than others, but no matter how susceptible the variety may be to smut, it can be controlled almost entirely by simple methods. Formaldehyde and Copper-carbonate have been used extensively in the past for treating smut in grains, with only fair to good results.

### The Best Treatment To Use Is New Improved Ceresan

New improved Ceresan is a dust treatment—no wet, swollen grain to handle. It may be applied with a regular seed

treating machine or with a scoop shovel. A measuring spoon will be found in each can.

The grain produced has a higher market value because it is free from smut. Only one-half ounce of New Improved Ceresan is needed per bu. of seed. It is quickly and easily applied as a dust by use of a rotary seed treating machine or by the shovel method. After treating, the seed should be stored in a pile or in sacks for 24 hours before planting.

New Improved Ceresan controls stinking smut of wheat, loose and covered smut of oats, black loose smut and stripe in barley. Ceresan is inexpensive, costing only about 2c per bu. of seed. This is the lowest cost of any seed treatment on the market. By using New Improved Ceresan you may increase the yield of grain by 10% to 20% or more.

Improved Ceresan: 4 oz. (treats 8 bu. of seed), 30c, 1-lb. tin 85c, postpaid. Not prepaid: 4-lb. tin \$2.70, 8-lb. tin \$5.40.

## Best Early Oats for the North

### TAMA OATS

Tama Oats is a result of a Victoria-Richland cross by U. S. Dept. of Agriculture. Developed cooperatively by the Iowa Experiment Station and the U. S. Dept. of Agriculture.

An early yellow grained oat with short stiff straw and high weight per bushel.

Superior characters are early maturity, high yield, and satisfactory resistance to nearly all races of crown rust, stem rust, and the smuts of oats. Victoria parent provides resistance to 47 of the 51 races of crown rust known to occur in North America. Approved for registration by American Society of Agronomy. Recommended by Minnesota Experiment Station, and Minnesota Crop Improvement Association. See Blue Figure Price List.

### VICLAND OATS

Originated from a cross between Victoria and Richland and one of 33 strains from the Victoria x Richland cross, sent to the Wisconsin Experiment Station in 1935, that had been selected at the Aberdeen Substation, Aberdeen, Idaho in 1934. Selection No. 5545-16 was named Vicland in 1940 by the Wisconsin Agricultural Experiment Station.

Vicland is an early-maturing, open-panicked, yellow-grained oat with high weight per bushel. It has short straw, and is as resistant to lodging, or more so than Gopher.

It is resistant to the now prevalent races of stem and crown rusts and the smuts occurring in the North Central States. Vicland has out-yielded other varieties by approximately 20%, on the average, and appears to have wide adaptability.

Registered by American Society of Agronomy and recommended by Minnesota Experiment Station. See Blue Figure Price List.

### GOPHER OATS

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well-manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports, not only from Minnesota but from North and South Dakota, Wisconsin and Iowa, show that Gopher is still leading in yield, earliness and stiffness of straw.

The oat crop in many sections is often light, due to damage by adverse weather conditions and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, but with the strong demand may not last long. For Prices: See Blue Figure Price List.



### NEW HULLESS OATS "NAKOTA"

Minnesota Accessory No. 741

Nakota Hulless Oats was developed by the South Dakota Experiment Station from a double cross (Markton x Richland) x (Swedish Select x Kilby). It is early maturing, and just a day or two later than Gopher, and very resistant to stem rust, also immune to smut. The yield compares favorably with the standard hulled varieties when allowance of 30% is made for weight of hulls.

Hulless Oats are very popular for feeding young pigs and poultry.

In many seasons, due to adverse weather conditions, crops of oats have been very light in weight. Light oats have a high percentage of hulls and therefore lots of fibre which has little value for feeding pigs. Hulled oats make an excellent feed for little pigs and about 165 lbs. of fairly heavy whole oats will make 100 lbs. of hulled oats.

The recommended rate of seeding is about 50 lbs. per acre, as this variety stools very heavily. Order early. See Blue Figure Price List.

## Midseason and Late Varieties

### MINRUS OATS Rust Resistant

Minrus matures about half way between Gopher and Anthony; produces white glumes and has a spreading panicle. It is about equal in height and stiffness of straw to Anthony and is highly resistant to black stem rust. It was produced by the Minnesota Experiment Station from a cross of Minota and White Russian.

Observations to date indicate that Minrus will outyield Gopher Oats on any ground except the very richest. Gopher Oats should be used on the rich soils as it is more able to resist lodging under those conditions. Minrus should be very popular on lighter soils where Gopher Oats does not get tall enough to handle well.

Minrus may be grown with varieties of spring wheat as succotash as it is a few days later than Gopher. Minrus has already met with great favor wherever tried. For prices, see Blue Figure Price List.

### Wheat and Oats Profitable Combination Crop

A profitable practice is to grow oats and wheat in combination. Yields of 50 to 60 bu. of oats and 20 to 30 bu. of wheat per acre have been reported. A combination crop returns more profit per acre than either wheat or oats separately. Use 1½ bu. of oats and ¾ bu. of wheat per acre. New Regent or Rival Wheat, grown with Minrus Oats, gives the best results as they ripen about the same time. Other good combination crops are barley with early oats, wheat with flax.

## THE BATTLE AGAINST DISEASE IN SEED GRAINS

### 1943 Small Grain Crops Badly Diseased Ceresan Treatment Urgent in 1944!

Surveys show a large amount of disease present in small grains of 1943 crop, especially in wheat, barley and oats. Favorable conditions for over-wintering of disease organisms, favorable weather for the spread of disease during the growing season, and also abnormal moisture supply, were contributing factors.

Dr. J. J. Christensen, University of Minnesota Plant Pathologist, states that wheat and barley are heavily infected, particularly with the organism causing scab. Seed should be thoroughly re-cleaned, removing blighted kernels. Seed should then be treated, as those kernels still carrying infection will produce only weak seedlings. Ceresan treatment will thus produce much better stands.

C. H. Schrader, of the State Department of Agriculture, says much of the 1943 crop of oats shows poor germination, even though it looks and weighs well.

Because of the serious disease problem, a Plant Disease Conference, sponsored by the Northwest Crop Improvement Association, was held in Minneapolis in December. Agricultural experts from six states attended and mapped a plant disease battle program. The annual loss paid by Northwest farmers because of plant disease runs into millions of dollars.

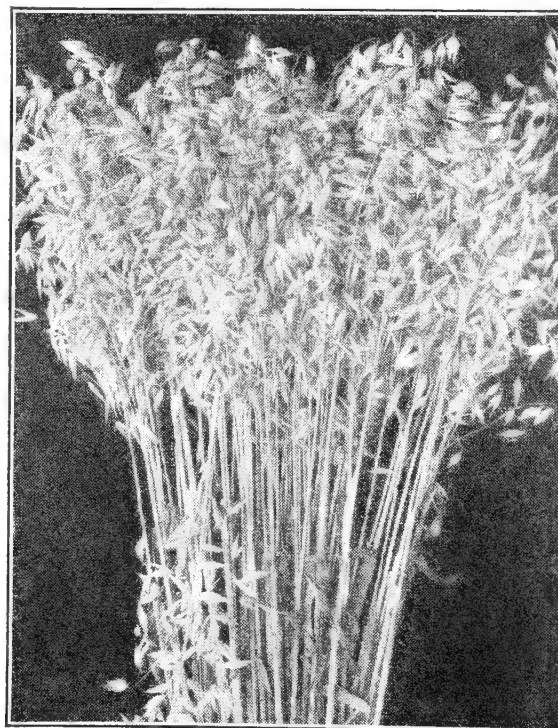
Disease was already severe in 1942. Some farmers secured such poor stands of small grain, they had to re-seed their entire acreage. Using inferior, untested seed is an expensive and heavy risk.

Our quality seed stocks of small grains have been very carefully selected, re-cleaned, tested, and have good germination. Don't take a chance with questionable seed. Build protection with a foundation of good seed and don't fail to treat all seed grains you plant with New Improved Ceresan. (See page 65.) There will be a record demand, so be sure to place your orders early.



### Here's Your Best CROP INSURANCE!

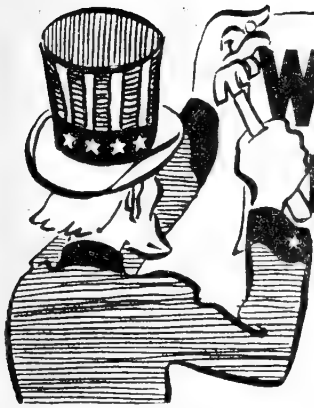
Read about "The Battle Against Disease in Seed Grains" (at the right) and don't fail to treat every bushel of seed oats you plant with Improved Ceresan. Only ½ oz. of Ceresan treats a bushel of seed grain and gives your crop valuable protection. Ceresan Prices: 4 oz. (treats 8 bu. of seed) 30c, 1 lb. 85c, postpaid. Not prepaid: 4 lb. tin \$2.70, 8 lb. tin \$5.40.



New Marion Oats brings a premium on the market.

### FREE: FARMER'S READY RECORD BOOK

A 24-page Farm Accounting Record that enables the farm operator to keep accurate information on farming transactions to conform with income tax regulations. Indispensable to the American Farmer of today! Sent FREE on request with your Farm Seed or Nursery order of \$2.00 or more—or with a Garden Seed order of \$1.50 or more. Out-right purchase price, 25c.



## WANTED: More Flax!

## A Critical War Material!

War Food Administration requests 67% INCREASE in flax production for 1944! Minnesota goal: 1,800,000 acres! Flax becomes a most profitable "money crop" with price at ceiling levels of \$3.95 Minneapolis basis. (Significantly above loan value of \$2.80.)

40% of the linseed from the U. S. flax crop goes directly to military needs and lend-lease. Of the 60% left for civilian industry, a large part goes indirectly to war—in paint for Army, Navy, and Airforce buildings, ships and equipment.

1943 U. S. production: 50,000,000 bushels. Leading State: Minnesota with 16,000,000 bushels; 6,000,000 bushels also imported from Canada, but still supplies could not meet military needs.

Peace time demand, even greater than today's urgent war needs, anticipated. Paint, varnish, and linoleum industries will require huge quantities for the coming construction boom. Linseed now replaces many formerly imported oils. Many other important uses in printing inks, waterproofing fabrics, etc. A vital new development, an edible oil from flax that is proving ideal in shortenings and margarines.

## FLAX SEED (RUST & WILT RESISTANT)

In the past, Flax was considered more as a catch crop, to be planted when conditions for other crops were unsatisfactory, or after all other crops were sown. This is a very poor procedure, for Flax does best in moderately warm weather and if planted too late is usually greatly affected by heat and drought.

To obtain large crops, sow early right after grains are planted. The earlier that Flax is sown, the better able the plant will be to withstand wilt and other diseases. **Treat seed with Ceresan—Page 65.**

Sow Flax at the rate of 28 to 42 lbs. per acre, depending upon the size of the seed and the condition of the land. The smaller seeded varieties such as Red Wing are seeded at the rate of 28 to 35 lbs. per acre, or slightly more if the land is somewhat weedy, Bison at about 35 to 42 lbs. per acre.

**RED WING FLAX**—Red Wing is early in maturity, high in yield, moderately resistant to wilt, and moderately susceptible to rust. Seed of Red Wing is medium size, and the oil produced is of very high quality. Red Wing was developed from a variety grown under Acc-No. 91 by the Minnesota Experiment Station. Well adapted in Southern and Central Minnesota but not in the Red River Valley. Recommended by Minnesota Experiment Station. **See Blue Figure Price List.**

**BIWING FLAX**—Biwing combines the high oil content of Bison, with the high oil quality of Red Wing. It is slightly later than Red Wing, resistant to wilt, less susceptible to rust than Bison. The seeds are medium large. Biwing is best adapted to Southern and Central Minnesota, but superior to Red Wing for Northern Minnesota. It is a selection from the cross of Bison and Red Wing made at the Minnesota Experiment Station and recommended by them. Approved by the American Society of Agronomy. **See Blue Figure Price List.**

## Ideal Flax Combination Crops

### Legume—Grass—Flax Combination

As a nurse crop for Alfalfa, Clovers or Grasses, Flax has no equal, because it does not heavily shade the young forage plants and its sturdy stubble affords winter protection. The flax plants' open habit of growth and the presence of legumes and grasses in combination also aid in controlling weeds.

We recommend seeding a normal rate of Alfalfa, Red and Alsike Clover, Sweet Clover, Timothy, or other grasses with approximately one-half a normal seeding of flax per acre, or 14 to 20 lbs., so that the clover and grasses would not be smothered and a good stand secured.

A Clover or Grass Seed attachment to the grain drill may be used, sowing the seed ahead of the drill and covering it lightly with a harrow.

### Wheat—Flax Combination

A combination of 15 to 20 lbs. of Flax and 45 lbs. of Seed Wheat per acre sown at the usual wheat seeding time has an advantage over flax alone, particularly in the control of such weeds as lamb's quarters and wild buckwheat. This early seeding which gives the wheat the best chance for development, provides the best conditions for the growth of the flax also.

Yields of 10 bushels of flax and 15 to 20 bushels of wheat are not uncommon, with a combined seeding. When threshed, they are easily separated with an ordinary fanning mill and can be sold at highest market value because the quality of the grain is usually very good. There is less danger of damage to either crop from disease or lodging when grown in combination.

## RAPE FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

**DWARF ESSEX RAPE**—The common-ly grown type that has produced the finest pastures for many years. **See Blue Figure Price List.**

## Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.



3 to 4 tons of Sudan hay from one cutting.

## SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

**DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME.** Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

## Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

**CULTURE**—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet hay, of the very best quality.

## Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

**See Blue Figure Price List.**

**SUDAN GRASS CIRCULAR FREE**



# MASTER HYBRIDS for 1944

Master Hybrids, developed by our Plant Breeding Dept., are bred, produced, tested and grown in Minnesota to make sure they are adapted to the North. Furthermore, Northern inbreds (such as Haney's Minn. 13, Golden King, Reid's Yellow Dent, and Minnesota Ideal inbreds) combined with the best adapted inbreds from Corn Belt Experiment Stations, provide the superior parentage of Master Hybrids.

See Blue Figure Price List in front of catalog

## MASTER F-21

(83-87 Days)

Developed by combining an early Minnesota Experiment Station single cross with one of our own single crosses from Haney's Minnesota 13. This new hybrid equals Minihybrid 800 in yield, is slightly earlier in maturity, and appears equal in other desirable characters. The plants have a healthy green color, average 6 feet in height, with ears at a uniform height of 2 feet. Ears average 8 inches in length, with 16 rows of high quality grain. Adapted to the Northern Minnesota zone, and similar territories.

## MASTER F-40

(86-90 Days)

A new hybrid well adapted to Minnesota's North Central Zone, and similar territories. Good plant type, averaging 6 feet, with ears borne uniformly on short, sturdy shanks at an average height of 2½ feet. Ears average 6½ inches long, bright, sound, free from ear rots. Sixteen rows of very good quality, medium deep grain. Very good lodging resistance and smut resistance. Good seedling vigor. Excellent yield records in both 1941 Minnesota and North Dakota Hybrid Corn Yield Trials.

## MASTER F-60

(97-101 Days)

Tests show 32% greater yield from this brand new Master Hybrid, over open pollinated kinds, ripening at the same time! A vigorous grower, with very deep green foliage on stiff, straight plants. The sound, rich-yellow ears are borne on short shanks, ideal for machine picking.

## MASTER F-82

(104-108 Days)

A new, full-season hybrid for Minnesota's south-central zone and similar territories. Hybrid plants average 7½ feet, are leafy, and of a rich dark green color. Very attractive type ears averaging 8½ inches in length are borne at a height of 3 feet. Ears average 16 rows, and kernels of medium depth are large and thick dented. Made a record yield of 86.69 bu. per acre in our yield trials, leading all hybrids tested in its maturity class.

## MASTER F-101

(112-116 Days)

A new full season corn hybrid for Southern Minnesota and similar territories. An early vigorous grower with very fine standing ability. The attractive ears average 9 inches or more in length and are borne on short, sturdy shanks. Extra deep, high quality kernels of rich yellow color. Made a record yield of 111 bu. per acre in Winona County in 1941 Minnesota Yield Trials.

This outstanding hybrid was selected for the 1942 Minn. State Corn Husking Contest.

## MASTER F-105

(112-116 Days)

A new full season corn hybrid for southern Minnesota and similar territories. Rich, dark green leafy plants average 7½ feet in height. Ears are borne at an average height of 3½ feet on short, sturdy shanks. Ears average 8 inches in length, are medium rough, and average 16 rows of large, fairly deep, rich yellow kernels. Produced 94.19 bu. per acre in our 1941 trials, and has splendid record in the 1941 Official Minnesota Yield Trials.

## MASTER F-106

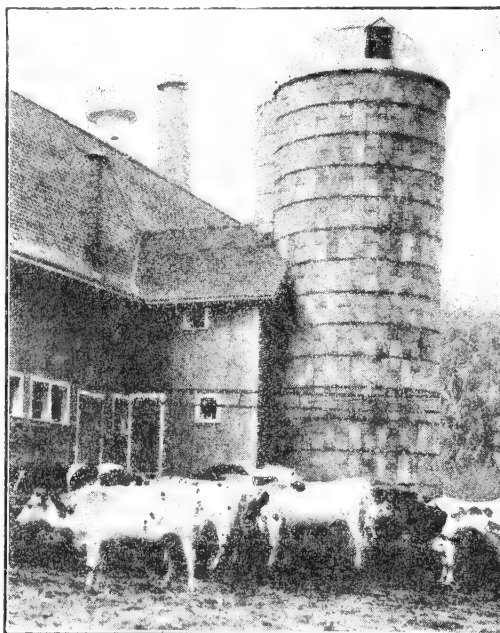
### IDEAL HYBRID SILO CORN

(116-120 Days)

Now we offer a HYBRID—developed from our famous Ideal Silo Corn! Nine foot plants carry ears 3 feet from the ground. The 9 to 10 inch ears are packed with 16 rows of deep, soft-starch, yellow kernels of high feeding value.

Fifteen tons of quality silage per acre! Silage is best when corn is "medium dented." Then the entire plant contains 70% moisture, and ears are well developed—while plant remains green.

Master Ideal Hybrid is splendid for silage in all zones—figuring maturity at 10 days later than for grain production. Be sure to try this great new silage producer!



Master Ideal Hybrid Silo Corn has filled many a farmer's silo from half the usual acreage. Strong, vigorous plants grow 9 to 11 ft. high with broad, thick leaves that make succulent fodder. Huge 10 to 12-inch ears are produced in abundance. For feeding green, for ensilage, and for curing in shocks to be fed in the bundle, it's the Northwest's greatest producer!

MASTER HYBRID F-105  
(111-115 Days)

Similar to 404 in yield, maturity, performance, plant and ear characteristics. (Differs from 404 in only one parental inbred line.) Gives Southern Minn. farmers the late maturing type they admire in Iowa and Illinois hybrids. Yet 405 can be recommended by Minn. Exp. Station because of low moisture at harvest—making quality corn that grades well on the market or is promptly eligible for sealing.

## Page 69



Early Minnesota Manchus—a most profitable crop for Minnesota farms.

## SOY BEANS

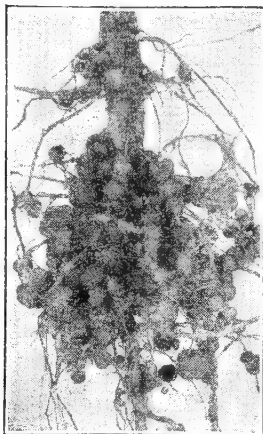
### Still a Vital War Crop—

Soy Beans are still vital to the war effort. In fact, the Government considers this crop so important that 1944 War Production goals call for an increase of 19% over 1943 acreage. For Minnesota alone the goal is 300,000 acres to be devoted to this vital crop. Oil and meal will be grievously needed in conduct of war and peace. Also the importance of the soy bean as an economical and valuable food in the human diet, is becoming more generally recognized by the average U. S. citizen. Consequently more and more growers are beginning to realize the importance of the soy bean to the farm pocketbook.

### Plant High Germinating Seed!

Recent University of Minnesota studies have shown that improper storage of soy beans causes "heating" and also injurious molds, which result in poor germination and weak seedlings. If beans have been stored when high in moisture, or where air is moist and circulation poor, the result is often "heating" of the beans, rendering them useless for seed.

In wartime, when every bushel of production is so important, don't take chances on seed. It's the foundation for your crop. Insist on the highest quality seed stocks obtainable and government recommended, early varieties, that are safe for your section. Early Minnesota Manchus, Habaros, and Richlands produce good stands, high yields and are suited to early combine harvesting in Minnesota. Our seed stocks have been carefully tested to insure low moisture content before storage. They are stored under ideal conditions and are then tested for high germination. There will be tremendous demand for these quality, tested seed stocks in these recommended varieties, so order early to avoid disappointment.



SOYBEAN root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, more soybeans and richer soil.

**Get More  
SOY BEANS**  
by inoculating  
your seed with  
**NITRAGIN**  
every year—even  
though planted on  
fields that have  
been inoculated  
before!

**SOYBEAN  
NITRAGIN  
PRICES:**

2 bu. size.. \$0.30  
5 bu. size.. .55

25 bu. size (1 can)  
not ppd. . . \$2.50

30 bu. size (six 5 bu.  
cans) not ppd. \$3.25



**EDIBLE  
SOY BEANS**  
Page 4  
**SOY BEAN  
FOOD PRODUCTS**  
Page 77

## Canada Yellow Field Peas

Field Peas are better suited to the Northwest than other annual legumes for building up worn-out soils. They are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: 5 lbs. \$1.10, postpaid. For prices on larger quantities, see Price List.

## How To Grow

### Good Crops of Soy Beans

**CULTURE.** Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Inoculate seed with Nitragin (below) and plant as follows:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.
4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.
5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

### Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to livestock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

Soy Beans may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable.

## The Most Profitable Varieties for the North NEW RICHLAND SOY BEANS

A new strain from the Purdue Experiment Station. Matures seed in about 110 days. Adapted for seed production in Minnesota's Southern and South Central corn zones, and for hay production in the Southern, South Central, and Central corn zones, and similar territories. (See map page 69). This variety reaches a height of 28 to 35 inches. The seed is medium in size, straw yellow, with hilums tinged light brown. Outstanding features are early maturity, high yield, excellent lodging resistance, and high oil content. Recommended by Minnesota's Experiment Station and Crop Improvement Association. See Blue Figure Price List.

## HABARO

Originated by the Minnesota Experiment Station

Habaro was developed from a selection made by the Minnesota Experiment Station. It matures seed in about 105 days, and is adapted for seed and hay production in the Southern, South Central, and Central corn zones, and similar territories. (See map page 69). Habaro grows to a height of 28 to 35 inches and is resistant to lodging. The seeds are straw yellow with no distinctive hilum color, and larger than those of Manchu. Habaro has yielded as well as any other variety tested at the Waseca Experiment Station. Recommended by Minnesota's Experiment Station and Crop Improvement Association. See Blue Figure Price List.

## MANCHU, Early Minn.

Minnesota Manchu matures seed in about 110 days. Reaches a height of 30 to 35 inches. The seeds are of medium size, straw yellow with both black and brown hilums. Adapted for seed production in the Southern and South Central corn zones and similar territories. (See map page 69). The seed was obtained in 1925 from the U. S. Dept. of Agriculture. On the recommended list of Minnesota's Experiment Station and Crop Improvement Association. See Blue Figure Price List.

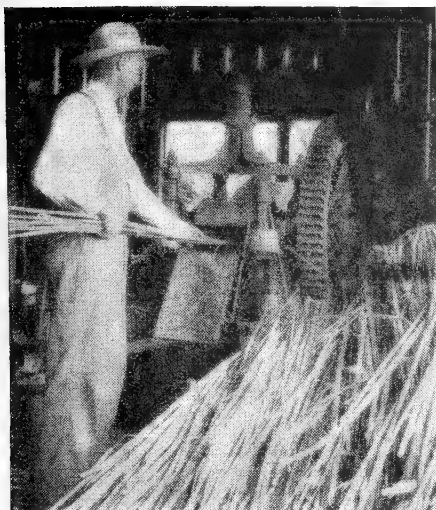
## Vetch (Sand or Hairy)

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchards, preventing the washing away of the soil.

Vetch may be sown in the spring at the rate of 60 lbs. per acre, or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre, and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging. Vetch may also be seeded in the fall with winter rye for a hay crop, about August 1 to 20, using about 30 lbs. of Vetch and ¼ bu. of rye per acre. Price: 5 lbs. \$1.50, postpaid. See Price List.



## Sorghum Cane



Making Sorghum Syrup From Minnesota's Famous Cane.

### Relieve the Sugar Shortage!

The Minnesota Crop Improvement Association urges planting of sorghum for syrup manufacture to ease the shortage of sugar. Varieties recommended are Minnesota Early Amber Cane and Dakota Amber. The Iowa Experiment Station also recommends Minnesota Early Amber for Northern Iowa. There are a number of sorghum mills in Minnesota and Iowa where sorghum may be taken for syrup production.

### Shortage of Seed for 1944

There is a severe shortage of high germinating seed. Insist on early maturing varieties of good germination. Don't plant late maturing, southern strains unless for fodder. Order early, while our high germinating seed is available. See Blue Figure Price List.

**MINNESOTA EARLY AMBER**—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding much fodder, of good quality. Early Amber Cane and Fodder Corn are often planted together, and produce immense yields.

One acre of Early Amber Cane will produce enough to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Price: 5 lbs. \$1.10, postpaid. (See Price List.)

**DAKOTA AMBER 39-30-S CANE**—Low Acid Cane Variety Developed by the South Dakota Experiment Station.

The demand for low acid content Cane of early maturity has been met by the introduction of Dakota Amber 39-30-S. It grows 55 to 68 in. tall, the stems are medium large and juicy and sweet, tillers freely, the leaves are medium in size. It is a good forage and grain producer. The following qualities make this Cane outstanding:

1. Low acid content.
2. More sugar, higher feeding value.
3. Safe as Sudan Grass.
4. Certified as to purity—uniform maturity.
5. Easy to handle.
6. A good fodder and grain producer.

Plant 5 to 10 lbs. per acre in cultivated rows or 50 to 60 lbs. per acre broadcast.

Price: 5 lbs. \$1.10, postpaid. (See Price List.)

**FODDER CANE**—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: 5 lbs. \$1.05, postpaid. (See Blue Figure Price List.)

## MILLET — The Ideal "Catch Crop"

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millets may be planted up to July 1 and even later, and still produce a crop of hay or

pasture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 25 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.

### JAPANESE MILLET—Billion Dollar Grass

One of the best forage crops for feeding all kinds of livestock. High in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration (two parts of millet to one of soy beans). Adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil.
- 3—It is good for exterminating quack grass as it stools heavy.
- 4—It is cheap to sow, only 20 to 25 pounds of seed per acre being required.
- 5—It is very palatable and is liked by all classes of livestock.

### FOXTAIL MILLETS

Sow 15 to 20 pounds per acre.

**GERMAN OR GOLDEN**—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender it can be fed to hogs.

**SIBERIAN**—We think this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

Price: Any variety, 5 lbs. \$1.10, postpaid. For larger quantities see Blue Figure Price List

### PROSO MILLETS

Sow 25 pounds per acre.

**TURGHAI PROSO**—Turghai Millet grows three feet tall and has a purple spreading head. The stems bear a wide leaf similar to corn and are not woody. It withstands considerable drought. It is a red seeded variety, like Early Fortune. Turghai has yielded from 50 to 70 bushels on heavy soil and three tons of hay per acre. Contains 17% protein and is one of the richest feeds for hogs, cattle, sheep and poultry. Ask for free circular.

**WHITE PROSO OR HOG MILLET**—The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Very early and drought resistant and will produce excellent yields of seed.

## Buckwheat

### A Catch Crop Ideal for Quack Grass Control

An excellent catch crop, which may be sown after harvesting winter wheat or rye or on newly broken ground. Its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

**JAPANESE**—Largekerneled, dark brown and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, 3 pecks to the acre.

**SILVER HULL**—A thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes fine buckwheat flour. Excellent for bees.

See Blue Figure Price List.

## Sunflower

### for Ensilage and Fodder (Mammoth Russian)

Sunflower for ensilage and fodder is now advocated by experiment stations. Profitable where seasons are too short for other forage plants, sorghums, etc.

A profitable crop for fattening hens or producing eggs. Flower heads measure 12 to 22 inches across, containing many seeds. Price: Lb. 40c, 5 lbs. \$1.60, postpaid.

## SEED TREATMENTS

**BARBAK**—This dependable seed corn treatment increases germination and stand at a cost of 2c per acre. Permits earlier planting, prevents seed rotting, and insures increased yield. Price: 1½ oz. pkt. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb. tin (60-acre size) 75c. See page 11.

**SEMESAN JR.**—Another seed corn treatment which destroys seed-borne diseases, protects seed from rotting in cold wet soil, thus makes early planting possible. Price: 1½ oz. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb. 75c.

**CROTOX BIRD REPELLENT**—Saves seed and replanting. Stops crows, pheasants and other birds, as well as squirrels, gophers, woodchucks, etc., from destroying planted seed. For seed corn, soybeans and other smooth coated seed. Price: ½ pint (treats 1 bu. seed) 65c, 1 pt. \$1.10, prepaid.

**CERESAN**—For treating seed grains—wheat, oats, barley. See page 65 for details.

**SEMESAN BEL**—For treating seed potatoes. See page 21 for details.

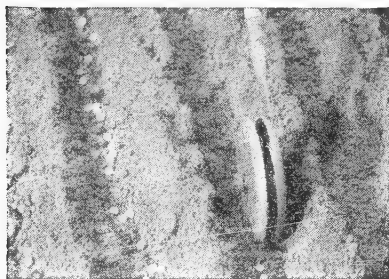
**SEMESAN**—For treating all garden and flower seeds. See page 17 for details.

**NITRAGIN**—For inoculating Alfalfas, Clovers, Soy Beans, and Garden Peas and Beans. Boosts yields and enriches soil. See page 64.

**FREE:** Circulars fully describing any of the above seed treatments, on request.

# High Grade Garden Implements to Make the Job Easier!

## No. 270—NEW GARDEX SEEDER—\$1.10 "The Victory Gardeners' Favorite"



Gardex Sows Seed Evenly

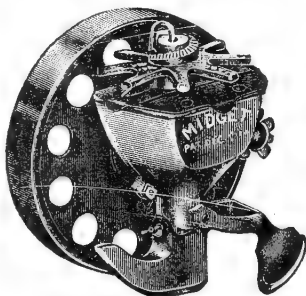
The handiest little seeder ever offered. Adjustable for planting seeds from the smallest flower seeds up to cucumber size. Two discs fit together—are adjustable to obtain the right opening, and easy to fill. Sows seeds quickly, evenly, economically—no bending down necessary. They cannot clog up. Will give years of service at a small cost. Disc hopper capacity ¼ pint, diameter of discs 4½ inches, largest opening 28"x4". Market gardeners prize this seeder highly for hotbed and greenhouse sowing. Complete with 30-inch normal length handle. Price \$1.10, prepaid.

All Garden Tools offered are subject to stocks being available according to allotments received from the manufacturers.

## MIDGET SEEDER No. 1

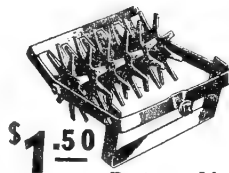
For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator or most other Single Wheel cultivators having 5½ inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. The most popular seeder on the market. Handle extra if for use alone. Weight, 8 lbs.

Price: Set up, ready to be attached, \$3.50. With handle, \$4.15, not ppd.



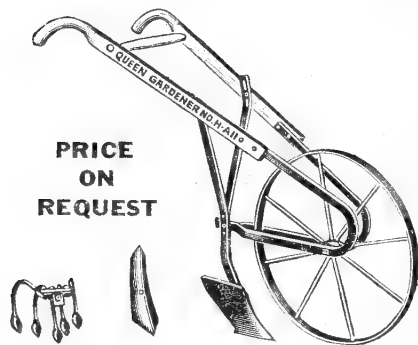
## Standard Weed Killer PULVERIZER & MULCHER

Attaches to any high wheel cultivator. Runs light. Has six star wheels mounted on revolving shaft. Between wheels are projecting teeth which pulverize the lumps. Mounted in front is a 10-inch scuffle blade, both edges sharpened. Weight, 6 lbs.



\$1.50  
Postage, 20c.

## H. A. 11.—HIGH WHEEL CULTIVATOR



PRICE  
ON  
REQUEST

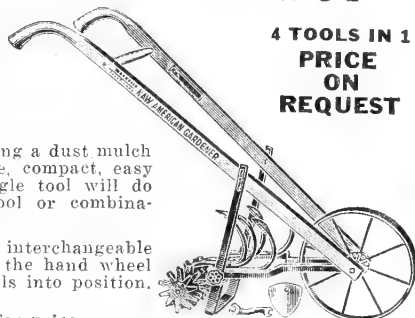
A sturdy, strong, substantial machine, at a moderate price. Steel frame is 1 inch wide, ¼ inch heavy rim. Has good grade bent oak handles. High wheel has eight spokes with 1¼-inch heavy rim. The attachments supplied are of carbon steel of superior design. Wide range of adjustment of handles and attachments easy to operate. Comes equipped with plow, 4-inch shovel and 5-prong cultivator. Weight 21 lbs. Price: Write if available, and ask for price.

## THE NEW AMERICAN GARDENER No. G-2

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do.

The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed.

Write if available and ask for price.



4 TOOLS IN 1  
PRICE  
ON  
REQUEST

Weight 23 lbs.

## The "ALL PURPOSE" Garden Hoe for Cultivating Weeding and Mulching



Makes gardening  
a pleasure

Try this new, high speed, light weight garden tool! So easy to handle, so much lighter, faster and better—you'll never go back to the ordinary hoe! Enthusiastic women gardeners claim less fatigue, better results.

You'll find it's fun to flick Dandelion and Plantain from the turf, or mulch around evergreens, shrubs, perennials.

Goose-neck shank permits close cultivation of prized perennials. Amazingly efficient for mulching, cultivating, weeding your garden. Weighs only 1½ lbs., yet stronger than other garden hoes. Order today—if not delighted, return it for money back. Price \$1.20, prepaid.

\$1.20  
ppd

## No. 1523—GARDEX CULTIVATOR and WEEDE



Every gardener will prize this new tool—a cultivator and weeder combined. A real time and labor saver—light weight, very efficient. The 3-prong cultivator loosens the soil thoroughly—while the weeding blade cuts off weeds quickly. Painted red, it has three prongs, is 4½ inches wide. Weeding blade is 4 inches wide, complete with 4½-inch normal length garden handle. Price \$1.30, prepaid.

## "Push-Pull" Hoe

\$1.65  
ppd.

New Time and Labor Saver.

An amazingly effective hoe for weeding and mulching. Works fast—and so easy to operate—it's child's play!



No chopping—no striking—no lifting. Just an easy push and pull. Blade with six cutting edges—made of high carbon steel, with strong wood handle. Easy on the back! Cuts around trees, shrubs and plants. Price: \$1.65, prepaid.



## MAGIC HAND WEEDE

39c  
ppd.

Spring-tooth weeder with hand-hoe on back. Surprisingly efficient! Steel tines, wood handle.

## "GARDEN KING" PLANT MARKERS



DIRT  
PROOF.  
WATER  
PROOF.

Mark your garden with economical, weatherproof markers. Garden green color. Protected against decay. Chemically treated name card,

covered by removable, dirtproof window. Just use ordinary pencil. 12-inch size...40c per dozen, ppd.



Like ALL NIGHT RAIN  
IT REALLY SOAKS THE SOIL

SOIL-SOAKER

Prices  
All Postpaid

PRICES  
No. 0—  
12 ft. long  
\$1.40  
No. 1—  
18 ft. long  
\$1.90  
No. 2—  
30 ft. long  
\$2.90  
No. 3—  
50 ft. long  
\$4.75

Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of treated mildew-resistant canvas. One end screws to water hose, other end closed. Water seeps through every pore—soaks directly into the soil over an area of several feet on all sides. No excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens, hedges, shrubs, trees, etc. Saves on water bills. Get yours now!

## NEW HOME THERMOMETER

ONLY 25c

A dependable thermometer for indoor or outdoor use. Easy to read. Important to health and comfort. Over-all size 8½"x2½" inches wide. Be your own Weather Bureau for the duration. Snow-white color, blue lettering.

For postage and packing add 5c.

# GOOD PROTECTION FOR YOUR GARDEN - TREES - LAWN - SHRUBS

## KEEP RABBITS OUT OF GARDEN



### with "RABBIT CHASER"

Leaflet Free.

Much damage has been caused to gardens and fruits by rabbits. Stop this annoyance with JAG'S RABBIT CHASER. It's non-poisonous—can be used with safety as a spray, will not burn the vegetation or harm the rabbits. Spray every three weeks while plants are young.

Price 50c a bottle, for making one quart of spray. A \$1.50 bottle makes a gallon.

## PROTECT YOUNG TREES with

### SULPHONOL RABBIT REPELLENT

—Protects trees from rabbits and mice. Inexpensive to use. Keeps tree borers away and prevents sun scald. Mix with water and paint the trees two feet above snow line. "Sulphonol" is non-poisonous, and will remain effective throughout the winter. Cannot be applied with sprayer. One pound treats 20 trees. Price: 1 lb. 45c, prepaid.—Not prepaid, 35c per lb.

### COPPER RODENT REPELLENT—

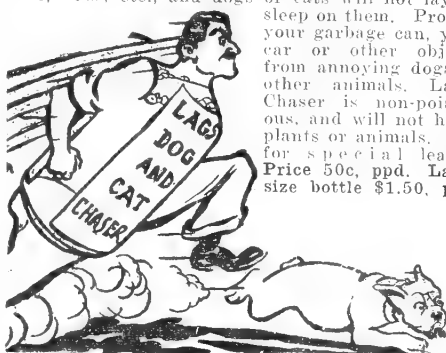
Protects fruit trees and shrubbery from rabbits and mice. Costs less than 1c per tree. Rapidly applied by painting or with sprayer. Rabbits will not girdle a tree which is coated with this material.

Non-poisonous—offers all winter protection. Price: Qt. \$1.00, 1 gal. \$3.00 f. o. b. Faribault.—(By express only.)

**DOG-ZA-WAY**—Spray it on your evergreens, shrubs, plants or trees with hand sprayer and dogs will stay away. Harmless—non-poisonous. Household size, 39c, prepaid.

## DOG AND CAT CHASER

A stainless repellent with pleasant odor. Repels animals when sprayed on shrubs and bushes. Will not injure most delicate plants. Use it on furniture, beds, etc., and dogs or cats will not lay or sleep on them. Protect your garbage can, your car or other objects from annoying dogs or other animals. Lag's Chaser is non-poisonous, and will not harm plants or animals. Ask for special leaflet. Price 50c, ppd. Large size bottle \$1.50, ppd.



### DAWG-GONE — KEEPS DOGS AWAY—

A combination of rare chemicals releasing an odor very distasteful to dogs. Just hang tube on lower branch of tree, about 10 inches from the ground, with opening down. The slowly escaping odor will keep dogs away. 2 tubes 50c, 6 tubes \$1.40, ppd.



### "NO PUPS WANTED"

Female dogs make the best watch dogs and most gentle pets. They have cleaner habits the cause annoyance in attracting other dogs. LAG'S NO PUPS WANTED has a pleasant odor—is easily applied to female dogs when necessary, and other dogs will keep away. It is a semi-clear liquid—is harmless and will not stain the hair of white dogs. Price 50c, ppd. Leaflet free.

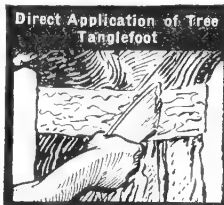
## TREE TANGLEFOOT



Protect your trees and vines from climbing insects by banding them with Tree Tanglefoot. Prevents destructive insects from reaching the upper part and destroying buds and foliage. It is easily applied with a wooden paddle and lasts for months. Won't soften, run or melt, yet is always elastic and expands as tree grows.

Tree Tanglefoot is non-injurious, and used extensively by nurserymen and orchardists. Endorsed also by leading Tree Surgeons.

Price: 6-oz. can 50c, 1-lb. can 90c, prepaid. Not prepaid: 5-lb. can \$3.75, 10 lbs. \$7.00.



**DAYTON TREE SAVER**—Contains 18 ingredients beneficial to trees, medicinal oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. It does not shrink but is light in weight, elastic and waterproof. Price: Pint 65c, quart \$1.10, not prepaid.

## ZOTOX KILLS CRAB GRASS

(WITHOUT DESTROYING LAWN GRASS)

Zotox not only kills the plant, but devitalizes the seed, checking reinfestation and is not toxic to the soil. It may discolor the turf temporarily, which, however, regains its natural color after a few days. Simply mix with water and apply to lawn from sprinkling can or sprayer. Price: 8-oz. size (for 5 gal. solution, treating 1,000 square feet) \$1.00, 16-oz. size \$1.50, prepaid.

# Improved FERTILIZERS for Better LAWNS and GARDENS

## Make Your Own FERTILIZER

from Grass Clippings, Leaves,  
Garbage and Other Waste Materials

"BACTO"—a bacterial composition will transform waste materials into valuable fertilizer in a few weeks, at a cost of only a few cents. Just sprinkle Bacto on compost leaves, grass clippings, kitchen waste, and make it into rich humus that builds soil like manure.

Bacto stops odor and is of great value for out-door toilets, if sprinkled periodically in toilet vault: it will reduce odor and fly nuisance. Full directions for use with each package. Circular free. Price: 4 oz. pkg. 40c ppd. Not prepaid, 5-lb bag \$1.60, 25-lb. bag, \$5.00.



## "HI-HUMUS" MOSS PEAT

For Better  
Gardens and Lawns

If you have trouble with your lawn, if your soil is light and sandy, or if it bakes hard because of clay, Moss Peat will come to the rescue.

Peat, because of its millions of tiny cells, is one of the best non-conductors of heat and cold known. A two-inch mulch of peat on top of the soil around the plant prevents killing of roots during both winter and summer. The peat mulch holds moisture, reduces the labor of weeding for several seasons, and makes the plot mellow for a lifetime.

Two ounces of Moss Peat can absorb 1 lb. of water. Use it around roses, shrubs, perennials, your window boxes, ferns and potted plants. One bag (about 3 bu.) will top dress about 400 to 500 square feet of soil. Inexpensive to use. Contains life-giving humus and nitrogen essential to plant growth—and is free from silt and weed seeds. Top-dress your lawn early in May. On heavy clay soil, work it in to a depth of 6 inches. (Descriptive circular free.)

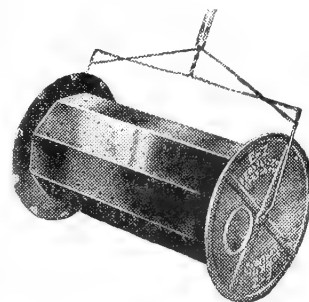
PRICES: Peck (about 5 lbs.).....	60c	} Ppd. to 3rd Zone
1/2 bu. (about 10 lbs.).....	\$1.00	
1 bag (3 bu.—about 60 lbs.).....	\$2.00	} Not Ppd.
2 bags (6 bu.—about 120 lbs.).....	\$3.75	

Peat Poultry Litter, same prices as above

## NEW E-Z FERTILIZER SPREADER

Easy to use—simply fill the container and push like a carpet sweeper. Fertilizer need never touch your hands. Correct, uniform distribution. No portion of lawn neglected—none gets excess. Excellent for sowing lawn seed. This improved model is sturdily built, wheels reinforced with metal.

Postpaid  
for only... **1.25**



**SACCO**  
PLANT FOOD  
Makes things Grow!

For Gardens, Lawns,  
Shrubs, Plants,  
Trees.

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor. Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.)

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.



Makes Things  
Grow  
(Analysis:  
4-12-4)

## VICTORY GARDEN FERTILIZER

Our special fertilizer for Victory Gardens, made according to recommendations of the U. S. Dept. of Agriculture. The greatest value in a dependable fertilizer to stimulate production of vegetable crops, and at a popular price. Analysis 4-12-4. Use 3 to 4 lbs. per 100 sq. ft. Full directions for use on each package. Price: 5 lbs. 50c, 10 lbs. 80c, 25 lbs. \$1.40, 50 lbs. \$2.25, 100 lbs. \$3.50, f. o. b. Faribault.



# — RELIABLE INSECTICIDES AND FUNGICIDES —

## WHAT TO USE FOR WHAT

FOR—	USE—
Cabbage Worms	Garden Guard
Bean Beetles	Arsenate of Lead
Cucumber Bugs	Nok-Em-Kold
Leaf Chewing Insects	Rotenone Spray
	Pyroicide
	New Pyro-Cuper Dust
	B-B Dust
Spiders on Evergreens	
Aphis—mealy bugs	Emo-Nik
White flies—Rust	Black Leaf 40
Mites on House Plants	
Aphids on Nasturtium	Bordeaux Mixture
All sucking insects	Wettable Dusting Sulphur
	B-B Dust
Blight—rust—scab—anthracnose—fungus diseases	Pyroicide
	New Pyro-Cuper Dust
Squash and Melon Bugs	
Cucumber Beetles	Wettable Dusting Sulphur
White mildew—black-spot—leaf spot—fungous diseases	
Tomato blight—fungous diseases	Acme Kopper King
	Dust or spray
	New Pyro-Cuper Dust
	B-B Dust



**ROTENONE GARDEN GUARD**—Non-poisonous. Recommended for dusting on cabbage, cauliflower, beans, etc. Also controls lice, fleas and mites on dogs, cats and chickens. Safe to use. 1-lb. sifter top can, 40c, 6-lb. bag \$1.25, ppd. to 3rd zone.

**"NOK-EM-KOLD" GARDEN INSECTICIDE**—It controls cabbage and cauliflower worms, cucumber beetles and insects. Dust on while damp with dew. Price: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 90c, 10 lbs. \$1.35.

**ACME EMO-NIK**—Controls red spider, mealy bugs, white flies, rust, mites and aphids. Use as a spray. Fine for use on evergreens 4½-oz. can 40c, 1 pint 75c, ppd.

**WETTABLE DUSTING SULPHUR**—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Price: 2-lb. can, each 40c, prepaid.



**ARSENATE OF LEAD**—Safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: 1 lb. 40c, prepaid; 4 lbs. 92c, ppd.

### BORDEAUX MIXTURE

—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 40c, prepaid; 4 lbs. 92c, ppd.

**LIME SULPHUR**—Dry powder for scale, blight, leaf curl, twig borer—also for summer spraying against soot, blotch, red spider and mite. 1 lb. 45c, ppd.; 5 lbs. \$1.69, ppd.

**"BLACK LEAF 40"**—(Sulphate of Nicotine.) For killing the green aphid or lice which usually appear on sweet pea, cucumber and other vines. Used for spraying all kinds of plants. Price: 1-oz. bottle (makes 6 gallons of spray) 40c, 5-oz. tins \$1.10, 1-lb. tins, \$2.50, prepaid to 3rd zone.

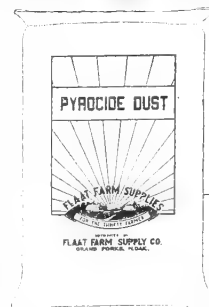


**ACME KOPPER KING**—Spray or dust to control tomato blight, wilt and mildew. Newest recommended development. 1 lb. 50c, 4-lb. bag \$1.15, ppd.

**TOBACCO DUST**—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid, 1 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$1.75.

### CARCO FOR ROOT MAGGOTS

Prevents deposit of maggot eggs on cabbage, onions, beets and radish plants. Use as spray—not poisonous. Complete directions. ½ pint 60c, quart \$1.40, prepaid to 3rd zone.



## PYROCIDIE DUST NO. 10

Here it is—The newest dust insecticide for control of squash and melon bugs—cabbage and cucumber beetle. Non-poisonous, yet powerful. Effective all around control also for aphid, beetles, leafhopper and chewing insects. 1 lb. 40c, ppd. 5 lbs. \$1.45, ppd.—Not prepaid, 25 lbs. \$4.25.

**NEW PYRO-CUPER DUST**—A combination of Pyroicide, Lethane, and Copper to be used as a dust for controlling same garden insects as listed for pyroicide where the addition of a fungicide for blight control is also desired. New Pyro-Cuper is an excellent insecticide and fungicide combination for cabbage and melons. Price: 1 lb. bag 45c, 5 lbs. \$1.65, ppd.—Not prepaid, 25 lbs. \$5.00.

**B-B DUST (Bug & Blight Dust)**—B-B Dust is a general purpose insecticide and fungicide combination for general garden use. It contains a contact insecticide for sucking insects, a stomach poison for chewing insects, and copper for blight control. This dust is particularly recommended for use on home gardens where it is not practical to select individual insecticides for specific uses. Price: 1 lb. bag 45c, 5 lbs. \$1.65, ppd.—Not prepaid, 25 lbs. \$5.00.

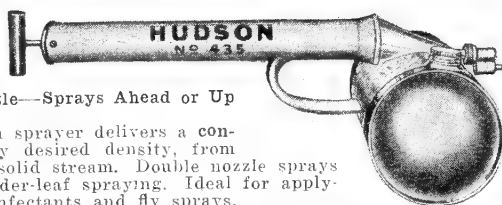


### RED RIVER POTATO MIX

Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage. Get top prices for your harvest. Price: 1 lb. bag 42c, 4-lb. bag \$1.15, prepaid to 3rd zone.

# — DEPENDABLE SPRAYERS AND DUSTERS —

## Continuous SPRAYER

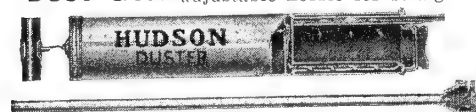


Adjustable Dual Nozzle—Sprays Ahead or Up

This sturdy garden sprayer delivers a continuous spray of any desired density, from the finest mist to a solid stream. Double nozzle sprays ahead or up—for under-leaf spraying. Ideal for applying insecticides, disinfectants and fly sprays.

No. 432 Mercury with 1 qt. tin tank—postpaid for only 95¢ ppd.  
No. 435 Cardinal with 3 qt. galvanized steel tank (shown above), \$1.50, postpaid.

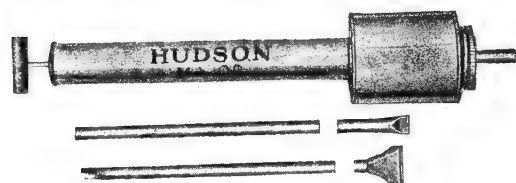
### No. 765 ADMIRAL DUST GUN



Applies insecticide in fine dust or heavy cloud. Powder can't enter pump chamber. 24-inch extension has adjustable nozzle for straight or angle discharge. Ideal over-and-under-leaf coverage.

\$1.25 ppd.

### No. 665. MAJOR DUSTER for Cyanogas or Insecticides



This inexpensive duster can be used for Cyanogas and should last several seasons.

Price: No. 665 Major Duster with two 12-in. extensions, two nozzles complete, \$1.25 ppd.

### NO. 192 G HUDSON LEADER SPRAYER

Nu-Eez funnel and screw top construction. 3½ gallon capacity. Handles all solutions except copper sulphate or other corrosive solutions. Fine for white-washing, disinfecting or applying insecticides and fungicides. Made of galvanized sheets. Tank 7½ inch diameter, 21 inches high. Tested for 100 lbs. pressure. Pump 1¼ inches x 14 inches. Air-Pak Plunger, New Type Valve. Has 24 inches of ¾ inch high pressure hose. Brass perfection shutoff, 2 foot brass extension, all brass fog nozzle, for any type of spray.

Price: \$4.75 Not prepaid.

### NO. 235 G HUDSON CLIMAX SPRAYER

3½ gallon open top, with special locking device. Used for all classes of work. Handles white-wash, cold water paints, insecticides and fungicides most effectively. Tank of galvanized sheets 7½ inch diameter, 21 inches high. Tested to 100 lbs. pressure. Pump 1¼ inch by 14 inch seamless brass tubing. Air-Pak Plunger. Perfection Air Valve—has 24 inch—¾ inch high pressure hose, 2 foot brass extension. All brass fog-nozzle for any type of spray.

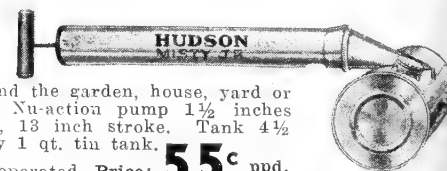
Price: \$5.95 Not prepaid.



### NO. 452 MISTY SPRAYER

A favorite for use around the garden, house, yard or poultry house. Patented Nu-action pump 1½ inches diameter, 17 inch overall, 13 inch stroke. Tank 4½ inches diameter. Capacity 1 qt. tin tank.

A handy sprayer, easily operated. Price: 55¢ ppd.



## POULTRY REMEDIES

**JERMITE**  
FOR POULTRY AND BIRDS

1<sup>00</sup> per Gal.

1-lb. can makes 1 gallon of Jermite ready to use.

Good for Baby Chicks and the entire flock!

**JERMITE**

A 1-lb. can of Jermite equals 700 average poultry tablets that usually cost \$1.00 per 100 tablets. You save \$6.00 by using Jermite.

**Jermite Guarantees Healthy Turkeys and Poultry**

- 1 Jermite is economical to use.
- 2 Jermite can be used in either the drinking water or the feed.
- 3 Jermite contains no fillers or harmful drugs.
- 4 Jermite is guaranteed.

Send \$1.00 for Special Jermite Trial Offer Today.

25-pound drum \$17.50, f. o. b. Faribault.

### GET MORE EGGS—

By Keeping Hens Free from Lice WITH

### MINK'S LOUSE KILLER OINTMENT

—One application keeps hens free from lice up to six months. Pays its cost several times in increased egg production. Wonderful remedy for head lice, on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box treats 75 to 100 hens.

Perfectly harmless. Price: 80c, prepaid.

## Humane Dehorning Pencil

The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work—does not injure calf—practically painless. Satisfaction guaranteed or money back. Each pencil dehorns 10 to 15 calves, at a cost of about 4 cents per calf. Thousands of satisfied customers.

Price: 50c per pencil, 3 for \$1.30, prepaid.

**CYANO GAS**  
REG. U.S. PAT. OFF.

**KILLS**  
RATS, MICE, GOPHERS, MOLES, WOODCHUCKS

in corn cribs, burrows, under buildings, barns and hard-to-get-at places.

Cyanogas gives off a gas deadly to rodents. The residue, after gas is given off, is non-poisonous. Pests need not eat Cyanogas or even touch it. It gets 'em wherever they are. Can be applied with dusters (below) or by sifting. Directions on pkg. Write for big free folder telling how to rid your premises of 24 different farm and home pests.

Cyanogas A-Dust: 1 lb. 75c, postage 10c extra. 5 lbs. \$3.00, 25 lbs. \$10.00, F. O. B. Faribault.

**CYANO GAS, ANT KILLER**—Special 4-oz. tin container. Simply shoot it in the nest and no more ant trouble. Price: 40c, prepaid.

### MASTER MOLE KILL

Punch hole in this non-poison bait. Relished by moles, but kills 'em. Trial pkg., 30c; large economy size, 60c, prepaid.



## "NICO-WOOD"

Chicken Feeding Troughs

Most popular and substantial yet inexpensive feeders on the market. Made of Supertex Grade "Nico Wood"—hot oil hardened, and suitable for dry or wet feeds—not affected by moisture. All sizes over 16 in. have partitions for added strength. Troughs are quickly set up by slipping the sides into the ends—all parts are interlocking and rigid—no nails or fasteners needed. Top reel makes convenient handle.

### PRICES:

**CHICK SIZE**— $\frac{1}{4}$  in. thick "Nico-Wood," 2 ft. long— $1\frac{1}{4}$  in. x  $3\frac{3}{8}$  in. diameter. (weight doz. 9  $\frac{1}{2}$  lbs.), 6 for \$3.25, 12 for \$6.00.

**BROILER SIZE**— $\frac{3}{16}$  in. thick "Nico-Wood," 3 ft. long— $2\frac{1}{4}$  in. x  $4\frac{1}{2}$  in. diameter. (weight doz. 39 lbs.), 6 for \$5.50, 12 for \$10.80.

**ADULT OR FLOCK SIZE**— $\frac{3}{16}$  in. thick "Nico-Wood," 4 ft. long— $3\frac{1}{4}$  in. x  $7\frac{1}{8}$  in. diameter. weight 39 lbs. 6 for \$11.00. All F. O. B. Faribault.

## SAVE YOUR SWEET CORN CROP WITH "CORNFUME"



For ear worm control.

Based on a formula successfully used in tests made by leading agricultural specialists. Economical—easy to apply. The Cornfume pump delivers just the right dose in one application. To be applied on the corn just before the silk turns brown. One application is sufficient for effective control; a half-pint treats 300 ears.

Tasteless and odorless after application. Cornfume does not impart any foreign flavor to the corn. Harmless and non-poisonous when used in Corn Ear Worm Control.

Price:  $\frac{1}{2}$  pint 70c, ppd.—Pint \$1.10, ppd.  $\frac{1}{2}$  pint bottle with Cornfume pump \$1.60, ppd.

## KILL-EM-QUICK GOPHER POISON

Just mix this powder with moistened grain. The aroma attracts, the taste makes gophers eat greedily. It Kills 'Em Quick! Wipe out gophers—they cost you money! Liberal pkg., 40c, 50c.



## VERMINOX (Non-Poisonous.) KILLS RATS!

A ready-to-use bait, tasty but deadly to rats; not dangerous to humans, pets, poultry, livestock. TRIAL pkg., 30c; large economy size, 50c, prepaid.



## ARE YOU PREPARED FOR INCOME TAXES?



64 pages. With illustrated forms, prepaid for 25c.

A simplified Record Book for keeping farm accounts and records necessary for income tax returns. It is the simplest and most complete book obtainable. Complete tax record system—

## MORE MILES PER GALLON of GASOLINE WITH "SOLVATANE"

27 EXTRA MILES from a single "A" coupon—with a nickel's worth of SOLVATANE is claimed by a Minneapolis doctor. Dozens of our customers sent similar reports.

### More Power—Better Compression

With poor gas these days, you will find Solvatan right on the job to pep up your sluggish motor, clean out carbon, and save many a repair bill. Truck men everywhere use it regularly. It has dozens of uses as a rust solvent in machines and tools. Makes starting easier for tractors, washing machines, light-plants, etc.

### Immediate-Positive Action

Solvatan contains no injurious ingredients—cannot harm the finest motor, watch or instrument. You can save time, money and temper with Solvatan. Let us prove it. Circular free.

### SOLVATANE PRICES:

$\frac{1}{2}$  pint (8 oz.) 65c, ppd.  
1 quart (32 oz.) \$1.60, ppd.  
 $\frac{1}{2}$  gal. (64 oz.) \$2.50, not ppd. By express  
1 gal. (128 oz.) \$4.50, not ppd. By express



Try it in your Truck, Passenger Car, Milking Machine and Stationary Engine.

**EVENTEMP**

Post-paid for ONLY \$1.95 Each

**HOT AIR CIRCULATOR**

A surprising heat broadcaster, warms kitchen, bathroom, basement, garage quickly, at low cost. Just set EVENTEMP over open flame of gas, range or oil stove—every corner of kitchen gets instant, even heat. No sweating walls and ceiling—no cold floors. Twice the heat with one-fourth the gas! Works on any open flame burner—no connections or piping needed. Detailed folder free.

Supply limited. Price \$1.95, ppd.



## ...THE EASY WAY

Simply ignite Rodent Rocket and place in hole. Fumes do the rest. GUARANTEED—SURE—FAST—SAFE. Absolutely the most convenient way to destroy these lawn pests. No dead carcasses to dispose of! 10 RODENT ROCKETS, prepaid..... \$1.00

## Have this on hand at all times "CALICO MOUSE SEED"

### KILLS MICE

This poison grain is an inviting, attractive lure that gets the mice. It is more convenient and effective than the use of traps. Unattractive to dogs, cats and other pets. Guaranteed to satisfy or money back. Trial package, 2 oz. for 25c; large Economy Size, 6 oz. for 65c, prepaid.

# Newest Miracle-Working Chemicals For Your Garden!

## TRANSPLANTONE



Amazing new HORMONE-Vitamin stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Makes better lawn turf, plants, tree and seedling roots. Unbelievable results transplanting VEGETABLES — tomatoes start quickly — no wilting or setback. 50% more yield reported. 1 oz. makes 10 gallons transplant solution or 1,000 gals., watering solution. Free folder on request. 1/2-oz. pkt., postpaid, 25c. 3-oz. can, postpaid, \$1.00. 1-lb. can, \$4.00 ppd.

## ROOTONE



Hormone Wonder Powder for seeds, cuttings, bulbs. Luxurious lawns, 2 weeks earlier—bigger, earlier flowers, garden crops! Seeds dusted with Rootone germinate faster, root deeper, make stronger, healthier seedlings. Cuttings dipped in Rootone speedily develop surprising roots. Free booklet on request. Trial pkg. 25c. 2-oz. jar (treats 20 lbs. lawn seed) \$1.00. Pound \$5.00, ppd.



## AMAZE Your Friends! Use Vitamin B1 on PLANTS

Exciting results reported — 5-inch rose buds, 6-ft. snapdragons, plants that fail to bloom, become a mass of color! Try MIN-A-VITE B1 on house plants, lawns, flowers. 1 tablet makes 2 1/2 gallons of solution. 50 tablets ppd. for 25c, 125 for 50c, 300 for \$1.00, 500 for \$1.50 all prepaid.

## FLORALIFE FOR CUT FLOWERS



### Helps Cut FLOWERS LIVE LONGER!

Retards wilting — keeps color and fragrance much longer even in steam-heated rooms. No need to change water or recut stems.

Liberal pkg. 10c  
3 pkts. 25c. ppd.

For GARDEN and LAWN FERTILIZERS  
— SEE PAGE 73 —



## —HYPONEX— COMPLETE BALANCED PLANT FOOD

Pre-War Formula: 7-6-19  
VITAMIN B-1 ADDED

## Ideal for Garden and House Plants and for SOILLESS GARDENING

Complete directions in each pkg

## WHEN YOU WATER YOUR PLANTS...FEED THEM

Give them Hyponex-and-water, a complete plant food that grows all kinds of vegetation in sand, soil or cinders. You will have stronger, bigger plants; more and larger flowers. Hyponex is a dry, odorless powder. One teaspoonful makes a gallon of plant food. Highly concentrated. Clean—safe—odorless. Easy to handle, will not burn foliage. Contains vitamin B1.  
3 oz. can (makes 18 gal.)...25c  
1 lb. can (makes 100 gal.)...\$1  
Marvelous results on lawn grass, trees, shrubs, vegetables and flowers.

## HYPONEX PLANT FOOD



## FRUITONE

REG. U. S. PAT. OFF.

The Hormone Spray—stops pre-harvest drop of apples and fruits—hastens maturity and increases set. Will keep leaves and berries on shrubs and trees longer, and insures better setting of fruit. Aids pollination of flowers—keeps needles from falling off Christmas trees, or berries from holly wreaths.

Full directions with each package—be sure to try this modern miracle.

2-oz. can makes 25 gals. spray, \$1.00. 12-oz. can makes 150 gals. spray, \$5.00.



Add this vital growth factor to your regular garden routine and your flowers will respond amazingly with vigorous, new, healthy growth. Thompson's research laboratories made it easy to apply Vitamin B-1. Just dissolve pellet in Shake-A-Drop Bottle, shake into sprinkling can and apply. Fool-proof, no guess-work.

Box of 10 Pellets and Shake-A-Drop Bottle (makes 200 gals.), 25c. Full directions for use with each order.

## Magic GREEN FINGERS



Simply push Magic Green Finger into soil of potted plants, window box, or garden plants—and watch improved growth and beauty! Easiest way to apply Vitamin B1. Each Green Finger provides an average plant with B1 stimulant for 1 month! Attractive, colorful pkg. of 36 Magic Green Fingers.

Price ppd. 25c

## NEW HARCO SPRAYER



Harco Sprayer fits any Mason jar.

Complete, \$2.35 postpaid.

Professional type, easy-to-use, and down-to-earth price! Performs like expensive compressed air types, without bulky weight, bothersome cleaning! A squeeze of the hand delivers penetrating spray onto tops of tall shrubs, undersides of small plants. Extension rod gets hard-to-reach places. Sprays up, down, sideways, without adjustment. Surprisingly efficient. Durable pump resists corrosion—lasts for years. Fits ordinary Mason jars—keep different sprays in different jars! It's easy to switch from one garden spray to another or to household fly spray. \$2.35 ppd.



## STIM U PLANT

Nationally Known

Feed your house plants, flowers, shrubbery, vegetables—with Stim-U-Plant. Clean, odorless: 10 tablets 10c, 30 tablets 25c, 100 tablets 75c, 1,000 tablets \$3.50.

## Plant Food Tablet

Contains Vitamin B-1

## VITAMIZE AS YOU SPRINKLE



No special nozzle—no extra attachments to buy! New, easy, quick way to vitamize lawn and garden. Grow gorgeous flowers, a luxuriant lawn that's the envy of the neighborhood!

### NO MESS—NO BOTHER

Simply remove nozzle from garden hose, drop Vitamist Cartridge into the hose, replace nozzle and turn on water! One cartridge vitamizes 1,500 sq. ft.

Packed 30 cartridges in a box, enough to vitamize 1,500 sq. ft. once a week for 30 weeks.

Thirty Weeks' Supply: postpaid \$1.00



# NEW HEALTH FOODS FROM FARM PRODUCTS



## Superior Wheat Germ

Ready to Eat

Rich in Vitamins A, B, E, G and Organic Minerals—High in Protein and Wheat Germ Oil—Low in Starch

A general tonic food which tends to create new energy, revitalizes tissues and glands, builds up general health, physical and mental.

Processed to eliminate the toxic effect of raw wheat germ, preserving vitamins and minerals, preventing rancidity.

Take 1 to 5 tablespoonfuls daily—see what it will do for you. Delicious over cereal, fruit, or alone with milk or cream—sweetened with honey or maple syrup. A definite, perhaps sensational improvement in health, vitality and energy may result.

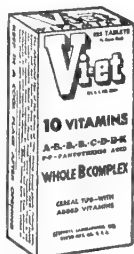
Price: One lb. 50c, three lbs. \$1.30, prepaid.

## Vee-Mor (For Those On A Restricted Diet)

VEE-MOR is an efficient diet supplement, designed particularly for use in restricted diets. That it is efficient is evidenced by the fact that in the suggested daily dosage of Vee-Mor—two tablespoonfuls twice a day—there is supplied the minimum daily requirements of vitamins A, B, and D—50 per cent of vitamin B2—100 per cent of calcium—60 per cent of phosphorus.

Vee-Mor supplants one or two light meals a day if it is taken with fruit juice, skim milk or any other desirable liquid. The body is amply supplied with essentials and the possibility of attending nutritional disturbances is minimized. Once you start Vee-Mor, you will be agreeably surprised how it helps you observe the restrictions on unwanted food. You will probably notice a pick-up in energy and well-being—and watch fat vanish.

Price: 8-oz. Trial Size \$1.60; 18-oz. Economy Size \$3.00, ppd. Circular sent free.



## GRASS Newest Food for Man!

The amazing new product recent magazines describe. Scientists found certain grass leaves properly processed, contained ALL known VITAMINS essential to human diet. NOW in one tablet: Vitamins A, B1, B6, C, D, E, G, K! This invaluable food helps prevent colds, constipation—builds health. A necessity for some—protection for all. FREE, detailed folder. Supplies vitamins, without calories, to those on reducing diets. 225 Vi-et tablets (month's supply), ppd., \$1.50. (Also called "Vigras.")

## DITEX LAX FOR DIABETICS

A bulk laxative prepared especially for those on a starch and sugar restricted diet. This product is completely free from irritating roughage—contains Psyllium, Karaya and Brewer's Yeast. It is free from starch, and a dependable laxative for anyone to take. DiteX Lax has been carefully tested, and is the result of long months of experimentations. Order this with a money-back guarantee if not satisfactory. Price: 4½-ounce bottle \$1.10, prepaid.



## Garlic, Parsley (With Honey)

Of great medicinal value in treatment of acidity, high blood pressure, pneumonia, colds, coughs and kidney trouble. Get circular. Take teaspoonful daily. 4-oz. bottle \$1.00, 3 bottles, \$2.75, prepaid.

## NEW! GARLIC & PARSLEY in Odorless—Tasteless Capsules

Get benefits described above in this pleasant, tasteless way. Each capsule contains concentrated clean fresh parsley and peeled garlic (moisture removed)—suspended in cold pressed Wheat Germ Oil. Suggested usage: 1 capsule before each meal. 70 capsules (3 to 4 weeks' supply), only \$1.00, postpaid.

## JUST OUT — NOW DEHYDRATE YOUR GARDEN CROPS

### In Your own RANGE OVEN



The newest, simple, inexpensive equipment—makes a perfect dehydrator out of any range oven.

The ESTATE OVEN DEHYDRATING KIT consists of two wooden frames, one for each oven rack,

two drying cloths, ten protective containers for storing the dried foods, complete book of instructions.

No other equipment needed to "put up" fruits and vegetables this new, easy way. No sugar. No muss or fuss. No disappointments.

Complete kit, with instruction book..... \$1.85  
EXTRA Containers—For dehydrating or freezing. 40c doz., ppd.

## RITAMINE CAPSULES

Gives you the benefit of all the known needed VITAMINS and all the essential MINERALS found in hundreds of pounds of fresh vegetables, fruits, milk and other foods.

What are Vitamins? How much of each do you need? How can you be sure of getting all essential minerals along with the Vitamins?

All important questions are answered in a special folder sent FREE on request.

Two tiny Ritamine Capsules daily provide the all important Vitamins A, B1, C, D, G, and 10 Minerals without the calories.

Trial Box \$1.10—35-Day Size \$3.00, ppd.



## —HEALTH-GIVING SOY BEAN PRODUCTS—

DRINK



## BEVASOY COFFEE SUBSTITUTE

New Alkaline Coffee Substitute. Delicious beverage made from soybeans—skillfully toasted and blended. Use like coffee. Contains no caffeine—does not cause sleepless nights nor irritate nerves or kidneys. All may enjoy it without

harmful effects. Pound makes 100 cups. 1 lb. 40c, prepaid.

## Roasted Soy Nuts—FOR YOUNG AND OLD

The most delicious product of the Soy Bean. Highly nutritious, though practically non-fattening. High in calcium, phosphorus, iron and minerals. Has an alkaline effect—negligible in starch—easy to digest—an excellent food for young or old. Helps build strong bones, sound teeth and firm muscles—exceptionally good for children and a fine party treat. Price: 12-oz. pkg. 33c, 4 pkgs. for \$1.15, prepaid.

## Pure Soy Bean Lecithin

An organic food of phosphorus compounds necessary for life and credited with increasing red corpuscles and haemoglobin of the blood. Considered a tonic in combating anemia and chlorosis. Ordinary diets contain too little of this necessary element. An insufficient supply results in lassitude—no pep—nervousness—insomnia and a half-alive feeling. Lecithin is helpful in stimulating mental effort, will power and in the growth of children, as well as quicker recovery of the sick. Box of 70 four-grain Lecithin capsules—use one or two per day—price \$1.00, ppd. Not available until Feb.

## Soy Grits (Meat Cracks)

Alkaline Cereal and Meat Substitute made entirely from soy beans. Soy Grits are gently steamed, ready to eat as a cereal. Rich in protein, low in starch. Fine for serving with Wheat Germ, using one tablespoonful of Soy Grits with two or three tablespoonfuls Superior Wheat Germ, with milk or cream, fruit or cereal. Useful in diabetic diets.

May also be combined with other ingredients ordinarily used in making meat loaf or patties, omitting the meat. Price: 1 lb. 35c, 3 lbs. for 90c, prepaid.

## Soy Flour

Soy Flour is rapidly becoming a household necessity, owing to its exceptional nutritional value in home baking. Our flour is high in fat—we do not offer any low fat flour usually sold at cheaper prices.

It is the oil of the Soy Bean, rich in lecithin, that makes baked goods creamy, requires less eggs—and enhances the rich flavor of your baked products. Be sure to ask for our special folder describing the many recipes and tasty menus that may be prepared from Soy Bean products—it's free.

Price: 16-oz. pkg. Soy Flour 35c, ppd. Not ppd., 5 lbs. for \$1.00.

## Vegetable Soy Beans for Cooking & Baking

We offer Bansei Edible Soy Beans, ready for cooking and baking—the most delicious beans for table use. All health-food stores offer them canned, at fancy prices. You can easily prepare your own at small cost. We also offer seed of this variety, to grow in your own garden—on page 4 of this catalog.

Price: Bansei Cooking Soy Beans 35c per lb., 2 lbs. 60c, 5 lbs. for \$1.40, ppd.

## Soyanese Beans

for Sprouting in the Kitchen

Leading magazines throughout the nation have proclaimed the food value and lauded the tasty new dishes that may be prepared from sprouted Soy Beans. Really, you have a new fresh vegetable that may be grown in your own kitchen, and is ready to serve in five days. It requires neither soil nor sunshine—it rivals tomatoes in Vitamin C—does not produce intestinal gases, and can be cooked as quickly as a pork chop.

Here is the cheapest of all foods, rich in Vitamin C, Calcium, Thiamin, Niacin and Riboflavin. Our special recipe booklet tells how to prepare dozens of delightful new dishes from sprouted Soy Beans.

### — SPECIAL OFFER —

For only \$1.00, we will send Soyanese Sprouting Beans, sufficient to make 8-10 quarts of sprouted beans—a vent cover for sprouting jar, (use your 2-qt. Mason jar),—a light-proof hood for jar—a pkt. Chlorinated Lime—and booklet with full directions for making many surprise dishes your family will enjoy and your friends marvel at. With it comes free—a 48-page, illustrated book describing all methods of home canning, freezing, dehydrating, brining and winter storage of vegetables. The entire outfit for \$1.00, ppd. Soyanese Sprouting Beans only, price 30c per lb., 5 lbs. \$1.25, ppd.

## Soy Milk Powder

Most alkaline and digestible of all protein foods—free from starch. Excellent source of vitamins A, B, D, E, G; phosphorus, calcium and iron. Of special value in diabetic and low carbohydrate diets, stomach ulcers, colitis, etc. Builds endurance. 1 lb. 45c; 3 lbs., \$1.10, ppd.

## Important

Keep a copy of your order and check it when it arrives.

Write your name and address plainly.

Sending money. Postoffice money orders, bank drafts or express money orders are always safe. We prefer not to receive stamps. Never send cash in a letter unless registered. Doing so will be at your own risk.

Please do not send checks under \$1.00—send cash instead—carefully wrapped. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

## Our Guarantee

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

## Parcel Post Rates

Packages weighing 70 pounds can be sent to all zones. Ten pounds or more beyond the 5th zone usually go cheaper by express.

Zone	Distance up to	For First Pound	Each Pound, Additional
1st & 2nd	150 miles	8c	1c
3rd	150-300 miles	9c	2c
4th	300-600 miles	10c	4c
5th	600-1,000 miles	11c	6c
6th	1,000-1,400 miles	12c	7c
7th	1,400-1,800 miles	14c	9c
8th	over 1,800 miles	15c	11c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

## FREIGHT AND EXPRESS SHIPMENTS.

State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

## Perishable Items

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

## C. O. D. Service

For your convenience we offer to ship garden seeds, flower seeds, or light weight shipments C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. For prompt service send full remittance with order.

BEFORE MAILING—LOOK AGAIN—Does the amount of your remittance correspond with the amount of your order? Have you signed the order and is your name and address on the envelope? Then be sure to seal the envelope.

## Help us to correct our mailing list.

If you received more than one catalog—or if several members of your family received one or more catalogs—will you please tell us what names or initials they were addressed to, and give correct name or initials of the head of your family? A post card will do. For your trouble, we will send flower seed novelties.

## Free flower seed novelties in exchange.

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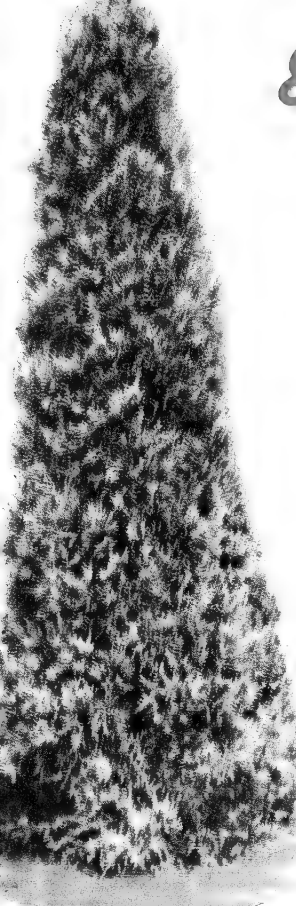
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# Evergreens for Year 'round Beauty!

## No Priority Restrictions on These Improvements!

You can still improve your property with these modern Entrance and Corner plantings in stately, graceful evergreens. They enhance appearance and value of your home many times their cost. Enjoy their beauty winter and summer.

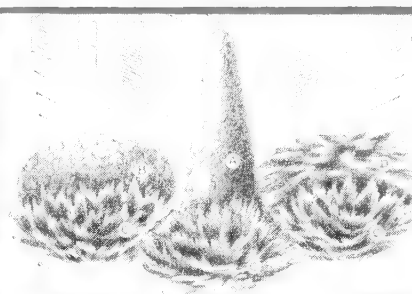
Pyramidal  
Arbor  
Vitae



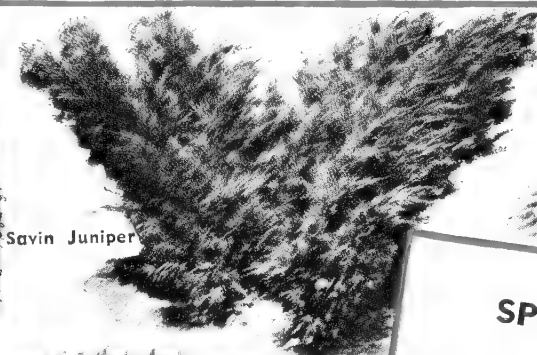
Silver Cedar



Mugho  
Pine



Pfitzer Juniper



Savin Juniper

### MODERN CORNER PLANTING

- (A)—1 Silver Cedar - 18-24 in. - \$1.35 each  
(B)—1 Mugho Pine - 12-15 in. - .65 each  
(C)—3 Savin Junipers - 12-15 in. - 1.25 each  
(D)—1 Pfitzer Juniper - 12-15 in. - 1.45 each

**ALL 6 TREES** { in Junior sizes above  
VALUE \$8.20  
By Exp. not ppd. } **ONLY \$6.35**

**ALL 6 TREES** { Master Sizes—(roots pud-  
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wrapped) (Cedar 2-3';  
Pine and Junipers 15-18")  
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### SPECIAL DOORWAY GROUP

- (X)—2 Pyramidal Arborvitae - 18-24 in. - \$1.45 each  
(Y)—2 Pfitzer Junipers - 12-15 in. - 1.45 each  
(Z)—2 Savin Junipers - 12-15 in. - 1.25 each

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OTHER SIZES AND  
SPRUCE LAWN TREES  
on page 36



## Quality Lawn Seed

1 POUND OF SEED  
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FEET OF LAWN.

### 30 DAY MIXTURE

40c LB PPD

A mixture of finest quick growing and permanent grasses—will establish a luxurious lawn in 30 to 40 days under normal conditions. Contains Kentucky Blue Grass—White Dutch Clover—Rye Grass and Red Top. Price: 1 lb. 40c, 5 lbs. \$1.85, prepaid—Not prepaid, 25 lbs. \$8.00, 100 lbs. \$31.50.

### SHADY NOOK MIXTURE

50c LB PPD

Hardy grasses that thrive in shady places—ideal for patching up lawns, filling in barren places under trees, and on north side of house. Price: 1 lb. 50c, 5 lbs. \$2.35, prepaid. Not prepaid, 25 lbs. \$10.50.

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Tells how to build and maintain a new lawn—rejuvenate old or worn out lawn—how to establish a Bent Lawn—also lawn care and treatment. It's free with your order—ask for it.

### GARDEN CITY GRASS

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Popular quality mixture for general use. Contains choicest grasses, roots deeply and withstands severe drought. Consists of 50% Kentucky Blue Grass—balance, Red Top, Rye Grass, and White Clover. Price: 1 lb. 45c, 5 lbs. \$2.10, prepaid—Not prepaid, 25 lbs. \$9.00, 100 lbs. \$35.00.

### CREEPING BENT GRASS

90c LB PPD

Makes fine, dense turf. Ideal for terraces and putting greens. Makes compact sod, due to its spreading habit—eventually crowding out other grasses. Price: 1 lb. 90c, 5 lbs. \$4.25, prepaid.

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90c LB PPD

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### U. of MINN. SUPER 'MUMS

- 1 **PURPLE STAR:** New, distinct star shape, double. Earliest blooms of all (early Aug).
- 2 **RED GOLD:** Striking bronzy-scarlet to Brazil red—2 in. blooms from mid August on.
- 3 **CHIPPEWA:** Very showy, incurved aster-like, 4 in. flowers from August 20 on.

'Mums listed above: 75c each, 3 plants \$2.00 ppd.

### U. OF MINN. STANDARD 'MUMS

- 4 **BOREAS:** Gleaming white, double 2 in. blooms by mid August. Ideal for cutting.
- 5 **DULUTH:** Brilliant, lemon-chrome, semi-double 2 in. blooms, late July or early Aug.
- 6 **HARMONY:** Changes from bright yellow in Aug. to strawberry pink, then deep Brazil red.

'Mums listed above: 40c each, 3 plants \$1.00 ppd.

### U. OF CHICAGO 'MUMS

- 7 **BARBARA SMALL:** Beautiful pinkish-lavender, 3 in. double blooms from mid Sept. on.
- 8 **ROBERT BRYDON:** Deep garnet red, dome-shaped, 2½ in. blooms from early Sept. on.
- 9 **HARBINGER:** Large, double, primrose yellow blooms from late August on.

'Mums listed above: 50c each, 3 plants \$1.35 ppd.



### 14 'MUMS

(one of each shown on this page)

(VALUE \$6.00)

**ONLY \$4.95 ppd.**

### NEW NOVELTY 'MUMS

- 10 **DAHLIA MUM:** Distinct, odd-shaped, wine colored, 3 in. blooms, resembling dahlias, from early Sept. on. Most unusual.
- 11 **ORCHID SPOON:** Quaint, dainty, new type. Delicate lavender-pink petals of tubular form, flattened at tips like miniature spoons.

Novelty 'Mums: 40c each, 2 plants 75c ppd.

### U. S. DEPT. OF AGRI. 'MUMS

- 12 **ALGONQUIN:** Radiant yellow, 2½ in. blooms from late Aug. on.
- 13 **POHATCONG:** Lovely, deep pink, 3½ in. blooms from early Sept. on.
- 14 **GERONIMO:** Glowing bronze, 3 in. double blooms from early Aug. on.

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(No. 168)—Make your garden the talk of the neighborhood! Large, compact, heads of beautiful purple color surrounded by attractively crinkled leaves. Excellent quality,—flavor more delicate than white Cauliflower. Quick growing, sure heading, requires no tying. Pkt. 25c. (See page 9)

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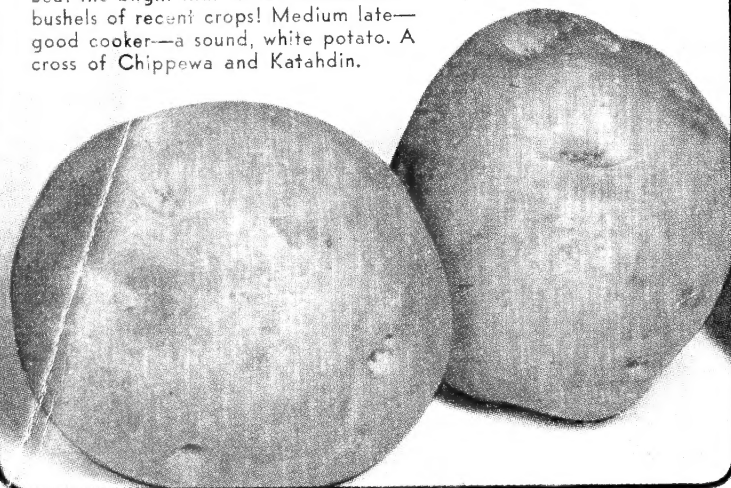
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(See page 21)

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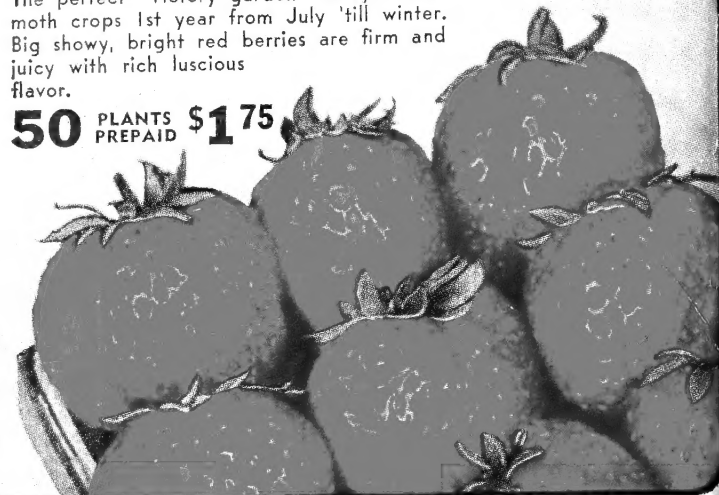


## SCARLET GEM *Everbearing* STRAWBERRY

(See page 29)

The perfect "Victory garden" berry! Mammoth crops 1st year from July 'till winter. Big showy, bright red berries are firm and juicy with rich luscious flavor.

**50** PLANTS **\$1.75**  
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Latest and greatest triumphs of our State Fruit Breeding Farm! Think of it! A Minnesota Jonathan, an Improved McIntosh type, and a Minnesota Delicious—all vastly superior to original varieties in quality and flavor, and—MUCH HARDIER! Even in the nation's most favored growing sections you couldn't raise finer apples! There's nothing to compare with them, and most amazing, they succeed far north of the moderate climates where the original varieties are safe to grow. We offer this combination for the first time—supply very limited. Order early!

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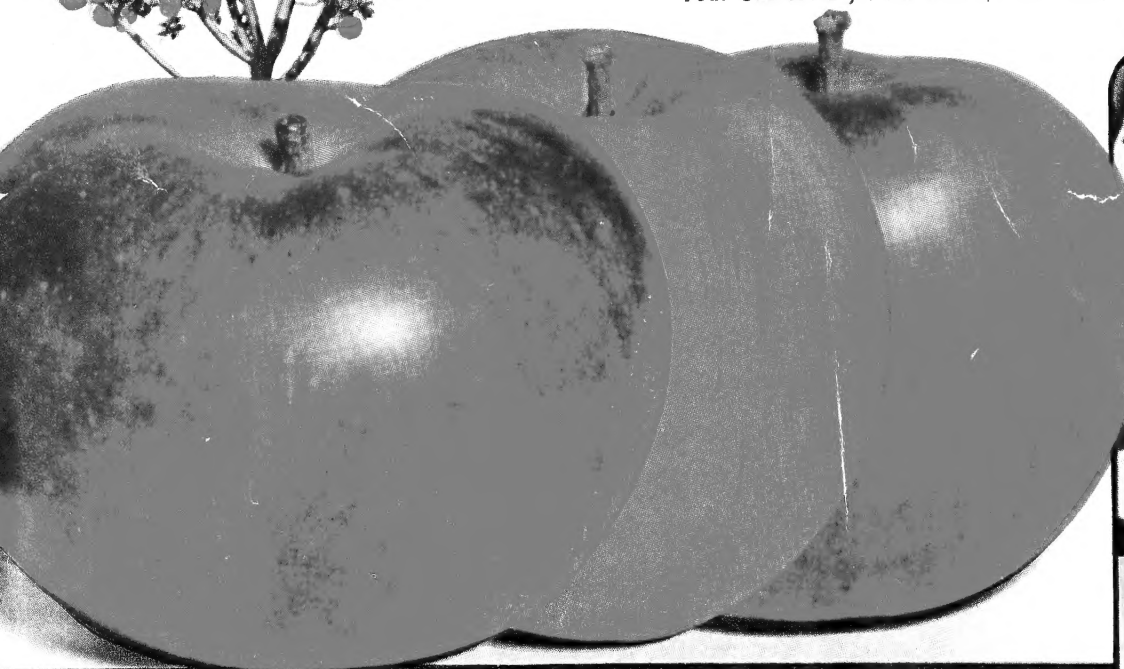
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